

With or Without Disconnected Erections.

FERRO-CONCRETE VESSEL.

TYPE *Auxiliary Motor Schooner*

(Received at London Office)

Date of completion of report *8th July 1919* State if Report is also sent on the Machinery of the Vessel *Yes*
 Survey held at *Faversham* Port of *London* No. *81991*
 On the (State if Single, Twin, or Triple Screw) *Single Screw Motor Schooner "VIOLETTE"* Rig *Schooner*
 Date, First Survey *18th Dec. 1918* Last Survey *3rd Jan July 1919*

TONNAGE under
Tonnage Deck...
Do. between Tonnage Dk. and 4th Dk.
Do. Upper Dk. *234.08*

CLASS * *A.1. English Channel Coasting*

Master

Year of appointment (1) As Master in Service of owner of present vessel... (2) As Master of this vessel...

Service Thames to Milford Haven

Built at *Faversham*

Subject to Annual Survey. Experimental.

Type of Construction

Monolithic

When built *1919* Launched *16th May 1919*

By whom built *J. Pollock & Sons Ltd*

Managers *B. Oppenheimer*

Residence *Halter House Holborn E.C.*

Port belonging to *London*

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock *Building & afloat.*

| Feet. | Inches. | BREADTH | Feet. | Inches. | DEPTH, ACTUAL | Top of Floors to top of Upper Dk. Beam | Feet. | Inches. | No. of laid Decks |
|------------|----------|---------|-----------|----------|---------------|--|-----------|----------|-------------------|
| <i>125</i> | <i>6</i> | | <i>25</i> | <i>-</i> | | Do. do. do. do. Second Dk. Beam | <i>10</i> | <i>4</i> | <i>One</i> |

from Ship's Register, Length *125.6* breadth *25.0* depth *10.4* Moulded depth, ft. *11* ins. *9* To Upper Dk. Round of Upper Dk. Beam, Actual *3* ins.

| | In Ship. | | Approved. | | | In Ship. | | Approved. | |
|-----------------------|-----------------------|--------------------------------------|------------|---------------|------------------------------|-------------------|---------------------------------------|------------|---------------|
| | Concrete. | Reinforcement | Concrete. | Reinforcement | | Concrete. | Reinforcement | Concrete. | Reinforcement |
| at Sides, Amidships | | | | | CENTRE LINE KEELSON | <i>13 3/8 x 6</i> | <i>3 1/8" at heel + 2 do. at toe.</i> | <i>Do.</i> | <i>Do.</i> |
| <i>2'-0" Centre</i> | <i>6 7/8 x 3 1/2</i> | <i>1 7/8" at heel + 1 do. at toe</i> | <i>Do.</i> | <i>Do.</i> | | | | | |
| | | | | | SIDE KEELSONS | | | | |
| | | | | | Spacing <i>6'-4"</i> | <i>Do.</i> | <i>Do.</i> | <i>Do.</i> | <i>Do.</i> |
| | | | | | No. Each Side <i>one</i> | | | | |
| Amidships | | | | | BILGE KEELSON | | | | |
| <i>2'-0" Centres</i> | <i>12 3/8 x 4 1/2</i> | <i>2 7/8" at heel + 4 do. at toe</i> | <i>Do.</i> | <i>do.</i> | | | | | |
| | | | | | | | | | |
| BOTTOM, Floors | | | | | SIDE STRINGERS | | | | |
| | | | | | Spacing | | | | |
| | | | | | No. Each Side | | | | |
| | | | | | | | | | |
| GIRDER | | | | | BILGE CHINE <i>Frames</i> | <i>9 x 4 1/2</i> | <i>4 7/8" at heel + 1 7/8" at toe</i> | <i>Do.</i> | <i>Do.</i> |
| | | | | | <i>Trans. frame at Bilge</i> | | | | |
| | | | | | <i>Chine</i> | <i>6" thick</i> | <i>1 3/4" at heel + 1 3/8" at toe</i> | <i>Do.</i> | <i>Do.</i> |
| RDERS & Margin | | | | | UPPER CHINE | <i>10" thick</i> | <i>3 1/8" at heel</i> | <i>Do.</i> | <i>Do.</i> |
| Side including Margin | | | | | | | | | |

W781 - 00482

Lloyd's Register
Foundation

| | In Ship. | | Approved. | | | In Ship. | | Approved. | |
|---|-----------------------|-----------------------------------|-----------|----------------|--|-----------|----------------|-----------|----------------|
| | Concrete. | Reinforcement. | Concrete. | Reinforcement. | | Concrete. | Reinforcement. | Concrete. | Reinforcement. |
| BEAMS: Upper Deck | 9"x3 1/2" | 1 1/8" at head + 1 do. at tail | Do. | Do. | Second Deck (Material and Thickness) | | | | |
| Half Beams, Upper Deck | 9"x3 1/2" | 1 1/8" at head + 1 do. at tail | Do. | Do. | Poop Deck (Material and Thickness) | | | | |
| Second Deck | | | | | Bridge Deck (Material and Thickness) | | | | |
| Half Beams, Second Deck | | | | | Forecastle Deck (Mat. and Thickness) | | | | |
| Poop Deck | 9"x3 1/2" | 1 1/8" at head + 1 do. at tail | Do. | Do. | W.T. Bulkheads | | | | |
| Bridge Deck | | | | | Number 2 | 3" | 1/4" at 6" | Do. | Do. |
| Forecastle Deck | Do. | Do. | Do. | Do. | Collision 1 | 3" | 1/4" at 6" | Do. | Do. |
| Girders & Pillars in 'tween Decks | | | | | After Peak 1 | 3" | Do. | Do. | Do. |
| Spacing | | | | | Other W.T. Bulkheads | | | | |
| Girders & Pillars in Hold | | | | | | | | | |
| Spacing 12' 8" Centre | 8' x 6" | 4 7/8" nom | Do. | Do. | | | | | |
| Girders | 19 1/2" x 8" | 2 1/8" at head + 1 do. at tail | Do. | Do. | | | | | |
| Bottom Slab | 3" | 1/4" at 6" | Do. | Do. | | | | | |
| Inner bottom Slab | | | | | | | | | |
| Side Slabs | 3" | Do. | Do. | Do. | | | | | |
| Upper Deck Slab (Material and Thickness) | Concrete | 2 1/2" | Do. | Do. | | | | | |
| Between Stakes | 2 1/2" | Do. | Do. | Do. | | | | | |
| Extra reinforcement between gunwale & Hatch beams from Centre of Forward Hatch to Centre of Aft Hatch for 10 ft | 3/8" rods at 3" pitch | Do. at 6" pitch | | | | | | | |
| Remainder of Deck to Bulkheads for 10 ft | Do. at 6" pitch | | | | | | | | |
| MASTS, SPARS, &c. | | | | | FORGINGS or CASTINGS. | | | | |
| | | | | | Inches in Ship. | | | | |
| | | | | | Inches per Rule Or as Approved. | | | | |
| | | | | | KEEL, Bar, depth and thickness. | | | | |
| | | | | | STEM, moulding and thickness | | | | |
| | | | | | STERN-POST for Rudder do. do. | | | | |
| | | | | | " for Propeller | | | | |
| | | | | | RUDDER —A x D Table 22. Rules for Steel Ships | | | | |
| | | | | | Main-Piece, diameter at head | | | | |
| | | | | | " " " at heel | | | | |
| | | | | | RUDDER, how constructed | | | | |
| | | | | | Thickness of Plates or Single Plate | | | | |
| | | | | | Can the rudder be unshipped afloat? | | | | |
| | | | | | Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Reinforcement: | | | | |
| | | | | | Shropshire Iron Co. Ltd. | | | | |
| | | | | | Has the Steel been tested as required by the Rules? | | | | |
| | | | | | Yes. | | | | |
| | | | | | MASTS, SPARS, &c. | | | | |
| | | | | | DIAMETER AND THICKNESS. | | | | |
| | | | | | ANGLES. | | | | |
| | | | | | RIVETING. | | | | |
| | | | | | LOWER MASTS. | | | | |
| | | | | | Bowsprit | | | | |
| | | | | | Topmasts, Yards and Remainder of Spars | | | | |
| | | | | | Rigging, Material and Size, Shrouds | | | | |
| | | | | | Sails. | | | | |
| | | | | | We certify that the above is a correct description of the several particulars therein given. | | | | |
| | | | | | Builder's Signature | | | | |
| | | | | | Surveyor's Signature | | | | |

| EQUIPMENT No. | | LETTER | | ANCHORS. | |
|---|------------------|-------------------|-----------------|-----------------------|-----------------------------|
| Number of Certificate | Anchor | WEIGHT, EX. STOCK | WEIGHT OF STOCK | TEST, PER CERTIFICATE | WEIGHT REQUIRED BY TABLE 31 |
| 30241 | 1st Bower | 7 1/2 | 14 1/2 | 7 1/2 | 14 1/2 |
| 52071 | 2nd " | 7 1/2 | 14 1/2 | 7 1/2 | 14 1/2 |
| | 3rd " | | | | |
| | 4th " | | | | |
| 52582 | Collector weight | 1 1/2 | 2 1/2 | 1 1/2 | 2 1/2 |
| 28703 | Stream | 1 1/2 | 2 1/2 | 1 1/2 | 2 1/2 |
| | Kedge | | | | |
| Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test. | | | | | |
| 1st Bower 7 1/2 14 1/2 7 1/2 14 1/2 7 1/2 14 1/2 | | | | | |
| 2nd " 7 1/2 14 1/2 7 1/2 14 1/2 7 1/2 14 1/2 | | | | | |
| 3rd " 7 1/2 14 1/2 7 1/2 14 1/2 7 1/2 14 1/2 | | | | | |
| 4th " 7 1/2 14 1/2 7 1/2 14 1/2 7 1/2 14 1/2 | | | | | |
| CHAIN CABLES. | | | | | |
| HAWERS AND WARPS. | | | | | |
| Boats 2 | | | | | |
| Pumps, Number 4 | | | | | |
| Windlass is Hand mangle chain | | | | | |
| Engine Room Skylights.—How constructed? Wood | | | | | |
| Coal Bunker Openings.—How constructed? Open rail | | | | | |
| Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 25" dia | | | | | |
| Ceiling in Holds, thickness and material 2 1/2" dia | | | | | |
| Cargo Hatchways.—How formed? Reinforced concrete 4" thick | | | | | |
| State size No. 1 Hatch (Forward) 23' 3" x 12' 2" No. 2 Hatch 21' 6" x 12' 2" No. 3 Hatch 21' 6" x 12' 2" No. 4 Hatch 21' 6" x 12' 2" | | | | | |
| Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 2 Oak Shifting Beams to each Hatch Opening 20 x 5 | | | | | |
| 3 Fore & Aft (Oak) 7 1/2 x 7 1/2 | | | | | |
| Bulwarks, height above deck and description 2' 5" 1 1/4" dia boarding | | | | | |
| Main Rail, material and size Chain 1 1/2" dia | | | | | |
| The foregoing is a correct description as built of | | | | | |
| Builder's Signature (here only) JAMES POLLOCK & CO. LTD. | | | | | |
| Surveyor's Signature William H. Adams | | | | | |
| Concrete.—Materials used: Aggregate, Size and Particulars 1/2" Ham River Ballast + Ham River Sand | | | | | |
| Portland Cement Brand "Peter" B.P.C.M. | | | | | |
| Proportions—2 1/2" ballast, 1 sand + 1 Cement | | | | | |
| Test Results of Concrete actually used in Vessel—Average crushing at seven days 2660 lbs. per sq. inch. Size of Cubes 4" x 4" | | | | | |
| Ditto twenty-eight days 4260 lbs. per sq. inch. Ditto do | | | | | |
| Percolation at 6 days on a slab size 9' x 9' x 2 Water penetration Just penetrated | | | | | |
| Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case). | | | | | |
| M. 22/2/19. M. 2/3/19. 7/3/19. 4/3/19. M. 30/6/19 | | | | | |
| Have all the upper and weather decks been tested as required by the Rules for Steel Ships (Sec. 26, par. 20)? Yes State results of tests: good | | | | | |
| Have all the gutterways been tested as required by the Rules for Steel Ships (Sec. 26, par. 20)? Yes State results of tests: good | | | | | |
| Workmanship.—This vessel has been built in accordance with the approved plans & drawings | | | | | |
| Materials & Workmanship good. | | | | | |
| Cable 15 ft | | | | | |
| No. 52960 7/8 6.07 No. 52961 15 ft 7/8 6.05 No. 52962 15 ft 7/8 6.04 | | | | | |
| No. 52963 7/8 6.05 No. 52964 " " 6.02 No. 52965 15 ft 7/8 6.07 | | | | | |
| No. 52966 15 ft 7/8 6.07 Total 150 ft = 160.2.2 all same cut | | | | | |
| and date 7/12/19 13.15.00, 20.12.2.0 Captain May 13th 1919. Vernon Super. | | | | | |
| The Surveyor should state the Number of Report and Name of any Sister Vessel. | | | | | |
| Plans to be forwarded with F.E. Report showing vessel as built. | | | | | |
| The amount of Entry Fee £ 44: 8: 0 | | | | | |
| Received by me, 20.8.19 19 PM | | | | | |
| Travelling Expenses, if any £ 53: 10: - | | | | | |
| State whether the Vessel has been built under Special Survey | | | | | |
| I am of opinion this Vessel should be Classed A.1. Experimental Subject to Annual Survey | | | | | |
| With, or without Freeboard, as condition of Class Without | | | | | |
| Committee's Minute | | | | | |
| Character assigned for English Channel & Coastg. Service from Thames to Milford Haven subject to Annual Survey Experimental Lloyd's at 100 dmc 6.19 | | | | | |
| FRI. 6-AUG. 1919 | | | | | |
| TUE. 19-AUG. 1919 | | | | | |
| Surveyor to Lloyd's Register of Shipping. | | | | | |

GENERAL REMARKS—

A For English Channel (Coasting Service from Thomas L.M.W.)

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. 36 ft., Bridge — ft., Forecastle 23 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) One Concrete Deck

Official No. : Signal Letters State if Machinery is fitted aft Yes.

If bottom of Vessel has been coated with any waterproofing material, paint, or other composition, give particulars No.

PARATICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system.

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water Capacity. Tons. |
|---|-------------------|--------------------------|--|-------------------|--------------------------|
| Double bottom, aft, | | | Fore peak tank, | | |
| Double bottom, under Engines and Boilers, | | | After peak tank, | | |
| Double bottom, if under Engines only, | | | Deep tank, aft, | | |
| Double bottom, if under Boilers only, | | | Deep tank, forward, | | |
| Double bottom, forward, | | | Other tanks, if fitted, | | |
| Total capacity of double bottom | | | (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

| | | |
|------------------------------|--------------------------------------|--|
| Order for Special Survey No. | DATES OF SURVEYS held while building | 1918 |
| Date | | Dec. 18 1919 Jan. 1. 8. 22. 30. Feb. 6. 5. 12. 20. 27. Mar. 6. 12. 17. 20. 26. 31. |
| No. in builder's yard. | | Apr. 2. 9. 14. 23. 29. May. 7. 12. 16. 28. June 11. 18. 27. 30. July 1 |

Total No. of Visits 29.

Surveyor's Signature Wilfrid H. Brown