

With or Without
Disconnected Erections.

STEEL STEAMER.

Date of completion of report
Survey held at

25/8/24.
Glasgow

Port of

Glasgow

Date, First Survey

30/6/1920

Last Survey

15th August

1924

S. S. "INVELLA"

CLASS *100 A.I.

Rig Schooner

Master

Year of appointment

(1) As Master in service of
owner of present vessel:—19
(2) As Master of this
vessel:—19

Built at

Glasgow

When built

1924 Launched 17th June 1924

By whom built

Barclay, Curle & Co. Ltd.

Owners

Steamship Induna Coy. Ltd.

Managers

MacLay & McIntyre

Residence

Glasgow

Port belonging to

Glasgow

On the (State if Single, Twin, or Triple Screw)

TONNAGE under

Tonnage Deck

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of R. Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES..

Less Engine Room

Less Navigation Spaces

Register Tonnage

as out on Beam

Destined Voyage

Savona

If Surveyed while Building, Afloat, or in Dry Dock

Yes

LENGTH on Deck

as per Rule

400 0

BREADTH—

Moulded

Feet. Inches.

52 0

DEPTH, ACTUAL—

Top of Floors to top of Upper Dk. Beams

Dimensions of Ship per Register, Length

400.1 breadth

52.25 depth

28.5

Moulded depth, ft. 38

ins. 11 1/2

To Bridge Dk.

Round of Upper

Dk. Beam, Actual

FRAMING.

No. 1. Hold

11 3 1/2 48 11 3 1/2 48

11 3 1/2 56 11 3 1/2 56

11 3 1/2 44 11 3 1/2 44

11 3 1/2 44 11 3 1/2 44

11 3 1/2 44 11 3 1/2 44

11 3 1/2 44 11 3 1/2 44

11 3 1/2 44 11 3 1/2 44

FRAME, Angles, Bars and plates

Do. in peaks

Do. in way of Double Bottoms at Solid Floors

at intermdt. Bkts.

Spacing of Frames from centre to centre amidships

from 1/2

length to Collision bulkhead

in peaks..

24

REVERSED FRAME, Angles

Do. in way of Double Bottoms at Solid Floors

at intermdt. Bkts

FRAMING, depth of girder

FLOORS, depth and thickness of Floor Plate

at mid-line for 1/2 length amidships

in way of Engine and Boiler Spaces

thickness at the ends of vessel

depth at 1/2 the half breadth, as per Rule

FLOORS in Cell. Double Bottoms

state if flanged (top & bottom)

Spacing of Solid floors

CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.

Angles, Top

Bottom

to Floors

Brackets at intermdt. frmg., wdth & thcknss

SIDE GIRDERS, number on each side & thickness

state if flanged (top and bottom)

Angles (top and bottom)

to Floors

MARGIN PLATE, depth (exclusive of flange)

and thickness

Angle to Outside Plating

Floors

Brackets at intermdt. frmg., wdth & thcknss

Height of Outside Brackets above at bilge

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake

in Engine and Boiler space

Remainder in Holds

BEAMS, Upper Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

In way of Long Bridge

Spacing

BEAMS, Second Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

Spacing

BEAMS, Third and Fourth Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

Angles on upper edge

Spacing

BEAMS, Poop Deck, Angle, Bulb Angle, Plate

Angle, Plate, Tee Bulb, or Channel

Angles on upper edge

Spacing

BEAMS, Bridge Deck, Angle, Bulb Angle, Plate

Angle, Plate, Tee Bulb, or Channel

Angles on upper edge

Spacing

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate

Angle, Plate, Tee Bulb, or Channel

Angles on upper edge

Spacing

48 and 33

PILLARS.

PILLARS In 'tween Deck, size and spacing

Hold

Quarter 'tween Dks.,

in Hold

KEELSONS & STRINGERS.

CENTRE LINE KEELSON, V-shaped plates

floors, Through Plate, or Intercoastal Plate

Rider Plate

Flat Plate Keel Angles

Horizontal Plates on Floors

Angles or Bulb Angles

SIDE KEELSONS, Number

Angles or Bulb Angles

Plate above floors, for length

Intercoastal Plate, for length

Attached to outside Plating with Angle

BILGE KEELSON, Angles

Intercoastal Plate for length

Attached to outside Plating with Angle

SIDE STRINGERS, Number

Angle

Intercoastal Plate, for length

Attached to outside plating with Angle

Upper Deck Stringer Plate, br'dth & thickness

(clear of Bridge)

br'dth & thickness

(in way of Bridge)

Angle (clear of Bridge)

Tie Plates, outside Hatchways

Deck, Iron or Steel, for whole lng.

Thickness (clear of Bridge)

(in way of Bridge)

Wood Deck, Material & thickness

Second Deck Stringer Plate, br'dth & thickness

Angles on ditto, No.

Tie Plates, outside Hatchways

Deck, Iron or Steel, for whole lng.

Wood Deck, Material & thickness

Third Deck Stringer Plate, br'dth & thickness

Angles on ditto, No.

Tie Plates, outside Hatchways

Deck, Material and thickness

Fourth and Fifth Deck Stringer Plate, breadth & thickness

Angles on ditto, No.

Tie Plates outside Hatchways

Deck, Material & thickness

Poop Deck Stringer Plate, breadth & thickness

Angle on ditto

Tie Plates

Deck, Material and thickness

Bridge Deck Stringer Plate, br'dth & thickness

Angle on ditto

Tie Plates

Deck, Material and thickness

Forecastle Deck Stringer Plate, br'dth & th'kns

Angle on ditto

Tie Plates

Deck, Material and thickness

and accommodation

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

WEB FRAMES.		Inches in Ship.	Inches per Rule.	FORGINGS OR CASTINGS.		Inches in Ship.	Inches per Rule.
WEB-FRAMES, In Fore Body, No. and spacing	One	36 x .30	One	36 x .30	KEEL, Bar, depth and thickness	Flat Plate Keel	
" " " " " " " " " " " "					STEM, moulding and thickness	10 1/2 x 2 3/4	10 1/2 x 2 3/4
No. of Side Stringers	One	30 x .50	One	30 x .50	STERN-POST for Rudder do. do.	9 x 7 1/2	9 x 7 1/2
WEB-FRAMES, In E. & B. Space, No. & spacing	Two	30 x .50	Two	30 x .50	" " " " " " " " " " " "	10 1/2 x 7 1/2	10 1/2 x 7 1/2
" " " " " " " " " " " "					RUDDER-A x D* Table 22. Speed	498 under 12 K	
WEB-FRAMES, In After Body, No. and spacing	Two	30 x .50	Two	30 x .50	" Main-Piece, diameter at head	10	10
" " " " " " " " " " " "					" " " " " " " " " " " "	7 1/2	7 1/2
" " " " " " " " " " " "							
No. of Side Stringers	Two	36 x .50	Two	36 x .50			
Size of Face Angles to Web-Frames	6 x 3 1/2 x 50 A	6 x 3 1/2 x 50 A	6 x 3 1/2 x 50 A	6 x 3 1/2 x 50 A			
BRACKET PLATES to Stringers between Web Frames, depth and thickness	8 x 3 x 38 A	8 x 3 x 38 A	8 x 3 x 38 A	8 x 3 x 38 A			

BULKHEADS.		STIFFENERS.		RUDDER, how constructed	
Vessel.	Per Rule.	Horizontal.	Vertical.	Thickness of Plates or Single Plate	Can the Rudder be unshipped afloat?
Inches.	Inches.	Size.	Spacing.	Inches.	
W.T. BULKHEADS					
4 to upper dk and 2 to 2 nd dk					
Scantlings as per approved plans					
36					
44-30 Semi box keels 24 do					
52-30 2 Semi box 10 1/2 x 3 1/2 24 do					
COLLISION					
PARTITION					
LONGITUDINAL					
Are the outside Plates doubled two spaces of Frames in length?					
Are the Sluice Valves and Watertight Doors in efficient working order?					

PLATING.		RIVETING.	
AS IN SHIP.		PER RULE OR AS APPROVED.	
STRAKES.		EDGES.	
AMIDSHIP.		Ordinary or Joggled?	
Breadth.		Breadth.	
Thickness.		Thickness.	
FLAT PLATE KEEL	47 1.00	47 1.00	Double 6 1 4
GARBOARD OR A Strake	x .74 .48 .48	.74	5 1/2 7/8 3 1/2
B " "	x .74 .48 .48	.74	" " " "
C " "	x .74 .48 .48	.74	" " " "
D " "	.74 .48 .48	.74	" " " "
E " "	.74 .48 .48	.74	" " " "
F " "	.68 .44 .44	.68	" " " "
G " "	.68 .44 .44	.68	" " " "
H " "	.68 .44 .44	.68	" " " "
J " "	.68 .44 .44	.68	" " " "
K " "	.70 .46 .46	.70	" " " "
U. DK Sheer	60 .72 .46 .46	47 .72	" " " "
M " "	.74	.74	" " " "
B. D. Sheer	57 .76	57 .76	" " " "
N " "			
O " "			
P " "			
Q " "			
R " "			
S " "			
T " "			
U " "			
V " "			
W " "			
THICKNESS OF SHEER STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DECK OF FLAT PLATE KEEL	60 1.00 .46 .46	47 1.00	Double 6 1 4
" " " " " " " " " " " "	.86 .46 .46	.86	" " " "
POOP SIDES		.38	Single 3 3/4 3
FORECASTLE SIDES		.40	" " " "

Upper Deck		Second Deck	
Butts, Quad riveted for	length amidship.	Butts, Double riveted for	length amidship.
Stringer Plate	half	whole	whole
Stringer Plate	whole	whole	whole
Inner Bottom Plating, riveting of Edges	double & single Butts	double & single Butts	double & single Butts
Centre Girder Butts,	double riveted.	Keelson Butts,	double riveted.
Frames, riveted through Plates with	7/8 in. Rivets, about	4 3/4 apart.	
Rivets, state whether Iron or Steel	Iron		

FRAMES extend in one length from centre line to margin plate thence to upper and lower beams. REVERSED FRAMES on floors and frames extend from middle line to margin plate in double bottom; double under engines in way of same.

State if ordinary or joggled joggled

State if ordinary or joggled joggled

MASTS, SPARS, &c.	
Material.	
Total Length.	Diameter and Thickness.
At Partners.	Heel.
Hounds.	Head.
No. of Plates in round.	Angles.
Number.	Size.
Seams.	Riveting.
Butts.	
LOWER MASTS	Fore Steel 53'-0" 22 1/2 x 36 22 x 36 18 x 30 200
Main	do 54'-2" do do do do
Mizen	do do do do do do
Topmasts, Yards and Remainder of Spars	Steel 31'-0" x 12" to 6" diameter 25
Rigging, Material and Size, Shrouds	3 3/4 G.S.W. Stays 5" and 3 1/2 G.S.W.
Sails.	Suit of none Sails, and the following spare sails none

Write "Bridge Sheer Strake" and "Upper Deck Sheer Strake" opposite the corresponding letter

Form No. 1A.

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Lloyd's Register Foundation

EQUIPMENT No. 34655-34				LETTER Y				ANCHORS.				TONNAGE U. BK. 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.			
38537	1st Bower ...	60	2	14	Stockless			48	15	0	0	60	0	0	Britannia type	not stated	Bradley Heath 5.5.23 Paul
38538	2nd „ ...	60	0	24	do			48	10	0	0	60	0	0	do	do.	do. do. do.
38529	3rd „ ...	50	2	24	do			42	16	3	14	50	2	0	do	do.	do. do. do.
	4th „ ...																
	Collective weight.	140	2	6								140	2	0			
57575	Stream	16	1	0	4	0	7	17	11	3	14	16	1	0	Ordinary	Earl of Dudley's Round Oak Works	Septon. 1/5/23 Drysdale
	Kedge																

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	36.2.0.	D. D. W.	5495.	20.2.23
	2nd "	36.1.10	D. A. W.	5526.	23.2.23
	3rd "	* 30.0.6	D. D. W.	5705.	28.3.23
	4th "	* specially submitted for approval			

CHAIN CABLES.										HAWSERS 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.		Fathoms.	Ins.	Fathoms.	Ins.
	Length.	Diam.		Supplied.	Per Rule.						Length.	Cir.		Length.	Cir.				
57789	240	2 1/8	22	120.10.13		270	2 3/4	Earl of Dudley's Round Oak Works	Septon 30/4/23 Drysdale	TOWLINE	120	4 1/4	47	120	4 1/4				
56943	15 1/2	do	do	36.1.6	645.3.0	270	2 3/4	not stated	do 4/5/23 Jesson	HAWSERS & WARPS	2-90	2 3/4	15 1/2	2-90	2 3/4				
57148	15 1/2	do	do	36.1.20				do	do 2/8/22 Drysdale	"	2-90	2 1/2	12 1/2	2-90	2 1/2				
Iron Stream	90	4 3/4				90	4 3/4	Steel wire	Thomson Black & Co	"									
Steel Wire																			

Boats *Four* Steering Gear, Steam *Caldwell & Co.* Steering Gear, *Emergency* Effluent *Yes*

Pumps, Number *1* ordinary to fore peak flat Diameter of Barrel *3"* State whether they are in efficient working order *Yes*

Windlass is *Steam by Starfield & Co. Ltd* Capstan *Yes*

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

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

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *7 Scuppers each side. 8 freeing ports each side 42"x18"*

Ceiling in Holds, thickness and material *2 1/2 pine under hatches & over bulkheads* Cargo Battens, thickness and material *2" pine*

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

State size No. 1 Hatch (Forward) *30'-3" x 18'-0"* No. 2 Hatch *33'-0" x 18'-0"* No. 3 Hatch *33'-0" x 18'-0"* No. 4 Hatch *30'-0" x 18'-0"*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *6 webs in N^o 1, 2 and 3 hatches, 5 webs in N^o 4*

No fore and afters No. of Breasthooks *8* No. of Crutches *2*

Bulwarks, height above deck and description *4 ft. steel plates* Main Rail, material and size *7"x3"x40 B.A.*

The foregoing is a correct description. *H. J. Scully* Surveyor's Signature *George Nicol* Surveyor to Lloyd's Register of Shipping.

Builder's Signature (here only) *H. J. Scully* SECRETARY

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

See Secretary's letters of various dates

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? *joggled framing* 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* or overlapped

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.) *workmanship good.*

This vessel was commenced by Messrs The Lloyd Royal Belge (St. B.) Ltd and completed by Messrs Barclay Curle & Co. Ltd. The latter firm having acquired the shipyard. For a period of about 2 years, the vessel lay partly built on the stocks without progress being made with her construction. The materials, however, were coated with oil which preserved them in good condition. The vessel has been built in accordance with the approved plans, the Secretary's letters of various dates, and generally in conformity with the Rules for the class contemplated.

3. Forging reports herewith, also 15 approved plans and plan of midship section of vessel as built

The vessel is a sister ship (modified) of Messrs The Lloyd Royal Belge (G. B.) Ltd's N^o 4 and 25 (see Sls Repts N^o 40166 and 40992) S.S. "Olympier" and "Macedonian"

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	£ 9 : 0 : 0	Fees applied for,	25/8/1924
Special Survey Fee	£ 325 : 13 : 0	Received by me,	
Travelling Expenses, if any	£ 11 : 0 : 0		

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *100. A.*

With, or without Freeboard, as condition of Class *without*

Certificate sent to *Glasgow* Date of issue *2/10/24*

Intermediate between deck BH in forward hold and intermediate between deck BH in after hold dispensed with. 4 BH to upper dk. 2 BH to 2nd dk.

George Nicol
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 26 AUG 1924*

Character assigned *100 A.*

8.24

Lloyd's accp

+ LMC 8.24 JD.

Intermediate Tw. DK. BH in forward hold & intermediate Tw. DK. BH in after hold dispensed with 4 BH to upper DK 2 BH to 2nd DK.

002418-002426-0048-7720

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 36.75 ft., R.Q.D. ft., Bridge 120.58 ft., Forecastle 45.21 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 should appear in the Register Book) 2 decks stl

Official No. ; Signal Letters ✓ State if Machinery is fitted aft No

How are the surfaces preserved from oxidation? Inside Paint and cement Outside Paint (antifouling compound)

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

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	<u>114</u>	<u>306</u>	Fore peak tank,	<u>20</u>	<u>129</u>
Double bottom, under Engines and Boilers,			After peak tank,	<u>18</u>	<u>106</u>
Double bottom, if under Engines only,	<u>24</u>	<u>88</u>	Deep tank, aft,	<u>30</u>	<u>846</u>
Double bottom, if under Boilers only, <u>Dry tank (tested)</u>	<u>21</u>		Deep tank, forward,		
Double bottom, forward,	<u>179.66</u>	<u>532</u>	Other tanks, if fitted,		
Total capacity of double bottom	<u>341.66</u>	<u>926</u>	(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. 5842

Date 15.2.23.

No. 600 in builder's yard.

DATES OF SURVEYS held while building
1920. June 30. Aug. 5. 11. 13. 25. 31. Sept. 28. Oct. 13. 1926. Nov. 8. 17. 22. 23. 26. Dec. 3. 7. 14. 20. 22.
1921. Jan. 19. 1923. Feb. 1. 7. 12. 16. 20. Mar. 24. 28. 31. 20. 26. Apr. 5. 17. 25. May 3. 10. 14. 17. 22. 25. 30.
June 5. 7. 12. 14. 19. 22. 25. July 3. 25. 27. Aug. 2. 10. Oct. 26.
1924. July 7. 16. 29. Aug. 11. 15.

Surveyor's Signature

George Nicol

Total No. of Visits 202061

Rpt. 4

Date of work

No. in Reg. Book

These parts Signal Letters

Official No.

147,914.

No., Date, and Whether British or Foreign Built

British

Number of Decks

Number of Masts

Rigged

Stern

Build

Galleries

Head

Framework and vessel

Number of Buoy

Number of water and their capacity

Total to quarter the to bottom of keel

No. of sets of Engines.

One

Reciprocal Expansion Inverter

No. of Shafts.

One

Description Number Iron or Steel Loaded

Under Tonnage

Space or spaces

Turret or Trunk

Forecastle

Bridge space

Poop or Break

Side Houses

Deck Houses

Chart House

Spaces for machinery Section 78 (2) 1894

Excess of Hatch

Gross Deductions, as per Register

NOTE 1.—The tonnage propelling

NOTE 2.—The under

Bridge

Poop

Name of

No. of Owners

Name, Residence

Steam

Dated

30/ (334798) Wt.

Foundation