

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office FEB. 3-1914

State if Report is also sent on the Machinery of the Vessel *yes*.

Date of completion of report *29th January 1914.* Port of *Bremen* No. *354.*
Survey held at *Bremen* Date, First Survey *22nd April 1913* Last Survey *28th January 1914.*

On the (State if Single, Twin, or Triple Screw) *steel single screw steamer* "FRANKENFELS" Rig *Schooner.*

TONNAGE under Tonnage Deck... *5499.5*

Do. below Tonnage Dk. and 3rd and 4th Dk. *5499.5*

Total under Upper Dk. *5499.5*

Do. of Poop excl. Open Tonnage *37.2*

Do. of R.Q.Dk. *10.8*

Do. of Bridge House *Open Tonnage*

Do. of Forecastle *10.8*

Do. of Houses on Dk. *167.8*

Do. of excess of Hatchways *49.3*

Do. above Crown of Engine Room *5854.3*

Gross Tonnage *5854.3*

Less Crew Space. Tonnage for Fees *6432.0*

Less above Crown of Engine Room *6432.0*

TONNAGE FOR FEES *6432.0*

Less Engine Room *3672.3*

Less Navigation Spaces *3672.3*

Register Tonnage as cut on Beam *3672.3*

CLASS *100A1.*

FEET.

Breadth (greatest moulded) *156.00*

Depth, at middle of length from top of keel to top of upper deck beams at side *32.48*

Transverse Number *188.48*

Length on deck from fore part of stem to after part of stern post *421.83*

Longitudinal Number *37323*

Depth "d," at middle of length (See Secs. 2 & 13) *18.46*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *12.99*

" " Long Bridge Deck Beam at side to top of keel *10.17*

Destined Voyage *East Indies*

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

Master *B. von Thülen.*

Year of appointment (1) As Master in service of owner of present vessel—1902 (2) As Master of this vessel—1914

Built at *Bremen.*

When built *1913/14* Launched *13th Dec. 1913.*

By whom built *Act. Ges. "Weser."*

Owners *Deutsche Dampfschiffahrts-Ges. Hansa.*

Managers *✓*

(Where necessary to be entered in Reg. Book.)

Residence *Bremen.*

Port belonging to *Bremen.*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
	421	10		56	0	Do. do. do. Second Dk. Beams	29	10 1/8	2

Dimensions of Ship per Register, Length *421.8* breadth *56.2* depth *29.6*. Moulded depth, ft. *41* ins. *5 3/4* To Bridge Dk. Round of Upper Dk. Beam, Actual *13 3/8* ins. Moulded depth, ft. *32* ins. *5 3/4* To Upper Dk.

FRAMING.						PILLARS.					
(Nos. 1, 2 & 3 Hold)						PILLARS, In 'tween Deck, size and spacing					
FRAME, Angles, or E or L Bars amidships	11	3 1/2	56	11	3 1/2	" " Hold	"	"	"	"	"
Do. in No. 4 Hold	11	3 1/2	56	11	3 1/2	" " Quarter 'tween Dks.,	"	"	"	"	"
Do. in peaks, intermediate spaces, also tanks	11	3 1/2	56	11	3 1/2	" " in Hold	"	"	"	"	"
Do. in way of Double Bottoms at Solid Floors	11	3 1/2	56	11	3 1/2	" " "	"	"	"	"	"
" " at intermdt. Bkts.	11	3 1/2	56	11	3 1/2	" " "	"	"	"	"	"
Spacing of Frames from centre to centre amidships	27			27		" " "	"	"	"	"	"
" " length to Collision bulkhead in peaks	24			24		" " "	"	"	"	"	"
REVERSED FRAME, Angles, For "Panting"	see Body of Report			see Body of Report		" " "	"	"	"	"	"
Do. in way of Double Bottoms at Solid Floors	13 1/2	3 1/2	44	13 1/2	3 1/2	" " "	"	"	"	"	"
" " at intermdt. Bkts.	13 1/2	3 1/2	44	13 1/2	3 1/2	" " "	"	"	"	"	"
FRAMING, depth of girder	11			11		" " "	"	"	"	"	"
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	E	42		E	42	" " "	"	"	"	"	"
" in way of Engine and Boiler Spaces	B	52		B	52	" " "	"	"	"	"	"
" thickness at the ends of vessel	38			38		" " "	"	"	"	"	"
" depth at 1/2 the half breadth, as per Rule	75			75		" " "	"	"	"	"	"
" height extended at the Bilges	45	42		45	42	" " "	"	"	"	"	"
LOORS in Cell, Double Bottoms	not flanged			not flanged		" " "	"	"	"	"	"
" state if flanged (top & bottom)	not flanged			not flanged		" " "	"	"	"	"	"
" Spacing of Solid floors	27			27		" " "	"	"	"	"	"
ENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	45	54		45	54	" " "	"	"	"	"	"
" " Angles, Top	3 1/2	3 1/2	52	3 1/2	3 1/2	" " "	"	"	"	"	"
" " Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	" " "	"	"	"	"	"
" " to Floors at ends	3 1/2	3 1/2	42	3 1/2	3 1/2	" " "	"	"	"	"	"
" Brackets at intermdt. frmg., wth & thcknss	Two		40	Two		" " "	"	"	"	"	"
IDE GIRDEES, number on each side & thickness	Two		40	Two		" " "	"	"	"	"	"
" " state if flanged (top and bottom)	not flanged			not flanged		" " "	"	"	"	"	"
" " Angles (top and bottom)	3 1/2	3 1/2	44	3 1/2	3 1/2	" " "	"	"	"	"	"
" " to Floors	3	3	42	3	3	" " "	"	"	"	"	"
MARGIN PLATE, depth (exclusive of flange) and thickness	45 1/4	50		36	50	" " "	"	"	"	"	"
" " Angle to Outside Plating	4	4	50	4	4	" " "	"	"	"	"	"
" " Floors (to after end of E. Sp.)	5	3 1/2	44	5	3 1/2	" " "	"	"	"	"	"
" " Brackets at intermdt. frmg., wth & thcknss	3 1/2	3 1/2	44	3 1/2	3 1/2	" " "	"	"	"	"	"
" Height of Outside Brackets above at bilge	27			27		" " "	"	"	"	"	"
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	52	52		45	52	" " "	"	"	"	"	"
" " in Engine and Boiler space	B	56		B	56	" " "	"	"	"	"	"
" " Remainder in Holds	40			40		" " "	"	"	"	"	"
AMS, Upper Deck, Single Angle, Bulb	8	3 1/2	48	8	3	" " "	"	"	"	"	"
" " Angle, Plate, Tee Bulb, or Channel	8 1/2	3 1/2	46	8 1/2	3	" " "	"	"	"	"	"
" " In way of Long Bridge	27			27		" " "	"	"	"	"	"
" " Spacing	27			27		" " "	"	"	"	"	"
BEAMS, Second Deck, Single Angle, Bulb	9 1/2	3 1/2	50	9	3 1/2	" " "	"	"	"	"	"
" " Angle, Plate, Tee Bulb, or Channel	27			27		" " "	"	"	"	"	"
" " Spacing	27			27		" " "	"	"	"	"	"
BEAMS, Third and Fourth Deck, Single Angle, Bulb	10 1/2	3 1/2	52	10 1/2	3 1/2	" " "	"	"	"	"	"
" " Angle, Plate, Tee Bulb, or Channel	27			27		" " "	"	"	"	"	"
" " Angles on upper edge	27			27		" " "	"	"	"	"	"
" " Spacing	27			27		" " "	"	"	"	"	"
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10	3 1/2	60	10	3 1/2	" " "	"	"	"	"	"
" " Angles on upper edge	54			54		" " "	"	"	"	"	"
" " Spacing	54			54		" " "	"	"	"	"	"
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3 1/2	48	8	3	" " "	"	"	"	"	"
" " Angles on upper edge	27			27		" " "	"	"	"	"	"
" " Spacing	27			27		" " "	"	"	"	"	"
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	11 1/2	3 1/2	64	11 1/2	3 1/2	" " "	"	"	"	"	"
" " Angles on upper edge	54			54		" " "	"	"	"	"	"
" " Spacing	54			54		" " "	"	"	"	"	"

Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	62	64	62	64
" " " " br'dth & thickness (in way of Bridge)	62	48	62	48
" " " " Angle (clear of Bridge)	6 x 5	70	5 x 5	70
" " " " Tie Plate at sides of Hatchways	✓	✓	✓	✓
" Deck * Iron or Steel, for full lng.	wood sheathed in Wells	✓	✓	✓
" " Thickness (clear of Bridge)	44	36	44	36
" " (in way of Bridge)	38	38	38	38
" Wood Deck. Material & thickness in Wells only: Teak 3" Teak 3"	48	48	48	48
Second Deck Stringer Plate, br'dth & thickness in way of Bridge	44	44	44	44
" Angles on ditto, No. Two	3 1/2 x 3 1/2	48	3 1/2 x 3 1/2	48
" Tie Plates outside Hatchways	38	38	38	38
" Deck * Iron or Steel, for full lng.	in way of Bridge 36 in way of Bridge 36	✓	✓	✓
" Wood Deck. Material & thickness in Two Dk Tanks 40 in Two Dk Tanks 40	not sheathed	not sheathed	not sheathed	not sheathed
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	36	36	36	36
" Angle on ditto	3 1/2 x 3 1/2	34	3 1/2 x 3 1/2	34
" Tie Plates	49	36	49	36
" Deck. Material and thickness	Teak 3"	Teak 3"	Teak 3"	Teak 3"
Bridge Deck Stringer Plate, br'dth & thickness	58	56	58	56
" Angle on ditto	5 x 5	62	5 x 5	62
" Tie Plates. Steel Deck	42	✓	42	✓
" Wood Deck. Material and thickness (outside of Deck Houses only)	Teak 3"	Teak 3"	Teak 3"	Teak 3"
Forecastle Deck Stringer Plate, br'dth & thickness	36	36	36	36
" Angle on ditto	3 1/2 x 3 1/2	34	3 1/2 x 3 1/2	34
" Tie Plates 2 strakes at middle line 59 each	28	59 each	28	59 each
" Deck. Material and thickness	Teak 3"	Teak 3"	Teak 3"	Teak 3"

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

GENERAL REMARKS—(continued).

The Peak Tanks and Peaks have also been filled and tested by a head of water 8 feet above their tank tops and to the height of the Upper deck respectively, and were found tight. — Bulkheads in holds and Shaft tunnel tested with water from a hose, found also tight.

Panting arrangement: Three Panting stringers are fitted in No. 1 Lower Cargo Hold abaft the collision bulkhead, of the lengths as shown on the approved profile plan; consisting of stringer plates 36"x.44", fitted with stringer angles 3½"x 3½"x.52" at their inner edges, attached with double lug angles 3½"x 3½"x.44" to the Outside plating and supported by means of Bracket Knees 36"x.44" on every frame. — Reverse Frames 5"x4"x.42" have been fitted in way of the Panting stringers, as per approved Profile, extending from the tank side brackets to the height of the 2nd deck.

Wireless Telegraphy on the Telefunken System has been fitted. The approved Plans, — 13 in Number, — are being forwarded herewith.

Sister vessel *Ss. "Spitzfels"*, Bremen Report No. 271.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 59.6 ft., R.Q.D. ✓ ft., Bridge 125.9 ft., Forecastle 54.2 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*.

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) *2 Dks (Stl — U teak s.)*.

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

How are the surfaces preserved from oxidation? Inside *Cement on bottom, otherwise paint* Outside *Patent and Oil paint*.

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. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	139.3	441	Fore peak tank,	21.9	47.5
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	16.8	55.5
Double bottom, if under Engines only,	22.5	109	Deep tank, <i>on</i> Tween Deck Ballast Tank aft	36.0	420
Double bottom, if under Boilers only,	22.5	<i>Dry Tank</i>	Deep tank, <i>forward</i> " " " " " " forward	36.0	494
Double bottom, forward,	188.8	637	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		1187	(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.

Date *18th Nov. 1912*

No. *202* in builder's yard.

DATES of Surveys held while building

1913: April 22, 30; May 5, 16, 21, 28; June 3, 13, 24; July 4, 24; August 12, 25, 27; September 9, 16, 25, 29; October 7, 13, 21; November 1, 6, 10, 18, 21, 26; December 4, 10, 12, 30. — 1914: January 7, 10, 13, 19, 22 & 28. —

Total No. of Visits *37*.

Surveyor's Signature

Geo. Dyke

Lloyds Register

Foundation