

Denmark.

Steel and wood Ships.

(Copy for New York)
Photostat copy sent to NYK
1919/31

Formular 24 A. July 1921

Report No 6368

M.S. BRETAGNE.

Freeboard Survey.

Survey made: *16 September 1936* by: *Octavio Harbets*
Philadelphia Pa. U.S.A.
Name of ship: *Bretagne*
Owner: *A/S Det Danske Handels Selskab*

Construction of Hatchways on Superstructure Decks

	1		2		3		4		5	
	Ship	Rule	Ship	Rule	Ship	Rule	Ship	Rule	Ship	Rule
Length and breadth					<i>27 1/2' x 20'</i>		<i>30' x 20'</i>			
Distance from stem to front coaming of hatchway					<i>112' 9"</i>		<i>201' 9"</i>			
Height and thickness of coamings					<i>2' 7 1/2"</i> <i>.44</i>		<i>2' 7 1/2"</i> <i>.44</i>			
Hatchway beams	Number and material				<i>5 Steel</i>		<i>5 Steel</i>			
	Dimensions				<i>13 3/8" 100 x 75 x 11</i> <i>15 3/8" 150 x 100 x 15</i>		<i>13 3/8" 100 x 75 x 11</i> <i>15 3/8" 150 x 100 x 15</i>			
Fore- and afters	Number and material									
	Dimensions									
Thickness of covers					<i>2 1/2"</i>		<i>2 1/2"</i>			

Are the Hatchways stiffened as prescribed: *Yes*

Construction of Hatchways*) on Freeboard Deck and Trunk Decks

	1		2		3		4		5	
	Ship	Rule	Ship	Rule	Ship	Rule	Ship	Rule	Ship	Rule
Length and breadth	<i>24 3/4' x 20'</i>		<i>27 1/2' x 20'</i>		<i>27 1/2' x 20'</i>		<i>30' x 20'</i>		<i>30' x 20'</i>	
Height and thickness of coamings	<i>2' 0"</i> <i>.44</i>		<i>2' 0"</i> <i>.44</i>		<i>2' 30"</i> <i>12.5"</i>		<i>2' 30"</i> <i>12.5"</i>		<i>2' 0"</i> <i>.44</i>	
Hatchway beams	Number and material		<i>5 Steel</i>		<i>5 Steel</i>		<i>5 Steel</i>		<i>5 Steel</i>	
	Dimensions		<i>13 3/8" 100 x 80 x 12</i> <i>15 3/8" 150 x 100 x 15</i>		<i>13 3/8" 100 x 75 x 11</i> <i>15 3/8" 150 x 100 x 15</i>		<i>13 3/8" 100 x 75 x 11</i> <i>15 3/8" 150 x 100 x 15</i>		<i>13 3/8" 100 x 80 x 12</i> <i>15 3/8" 150 x 100 x 15</i>	
Fore- and afters	Number and material									
	Dimensions									
Thickness of covers	<i>3"</i>		<i>3"</i>		<i>2 1/2"</i>		<i>2 1/2"</i>		<i>3"</i>	

Are any of these Hatchways situated below superstructures: *No 304*

Are the hatchways stiffened as prescribed: *Yes*

Do the closing appliances of the hatchways comply with the provisions of the Convention: *Yes*

Are there side line openings in superstructure decks:

Length and breadth:

Position of deck at the middle of the opening:

Are the closing appliances:



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36. Height of bulwark on freeboard deck or raised-quarter deck: 4'-0"
37. Length of wells*) Aft.: 42'-6" Fore: 75'-4"
38. Area of freeing ports on each side Aft.: 11.4 sqft Fore: 15.2 sqft
39. Height of guard rails on freeboard deck or raised-quarter deck:
40. Distance between rails:
41. Height of bulwark on superstructure deck: 3'-6" 3'-5"
42. Length of wells*) Aft.: Fore:
43. Area of freeing ports on each side Aft.: Fore:
44. Height of guard rails on superstructure deck:
45. Distance between rails:
46. For ships with trunk: Length of bulwark in way of trunk: 118'-3"
47. Where are the crew's quarters situated: Aft in Trunk
48. Arrangement for getting to and from crew's quarters (gangways etc.): Gangway on Trunk

If machinery space openings are situated within superstructures:

49. Description of closing appliances for superstructures: no openings
50. Height of sills of the openings in the casing: no openings

As regards unprotected machinery space openings on freeboard deck and raised-quarter deck:

51. Height of casing:
52. Thickness of plates:
53. Spacing of stiffeners:
54. Dimensions of stiffeners:
55. Description of closing and securing arrangements for openings in the casing:

56. Height of sills of the openings:

As regards unprotected machinery space openings on superstructure decks other than raised-quarter deck:

57. Height of casing:
58. Thickness of plates:
59. Spacing of stiffeners:
60. Dimensions of stiffeners:
61. Description of closing and securing arrangements for openings in the casing:

62. Height of sills of the openings:

63. Flush-bunker scuttles: Material:

Attachement:

Companionways:

64. Distance from stem: 27'-0" 27'-8"
65. Material: Steel
66. Height of sills: 12' above Trunk Deck 5'-6' above

Ventilators on superstructure deck: 67. Height of coamings within a quarter of the ship's length from

68. Height of coamings for other ventilators: 3'-0"

Ventilators on freeboard deck: 69. Height of coamings: 7'-9"

70. How are the ventilators connected to the deck: with angles welded to Deck

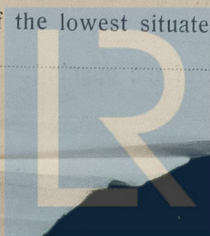
71. Air pipes: Height of openings above: a) Freeboard deck: 3'-6"
b) Raised-quarter deck:
c) Superstructure deck: 2'-10" 2'-10"

72. Are ventilators and airpipes provided with efficient means of closing: Ys

73. Are openings in the sides of ship below the freeboard deck fitted with efficient means of closing: Ys

74. Distance from freeboard deck to lower edge of the lowest situated of these openings: 21" (Stair)

*) see Convention rule XXX.



75'-9"
re: 152 off

Ship comply in principle and in detail with the Load Line Convention's conditions of assignment; if not, agencies: *Yes*

e: /

ingway on Trunk

Special Questions regarding Ships carrying Timber Deck Cargoes.

Deck sufficient strength to carry the weight of the deck cargo: *Yes*
The steering arrangement protected: *By Doors*
Arrangement satisfactory (if not, why): *Yes*
Bulk specially stiffened with a view to the timber cargo: *Yes*
Without poop: Is the raised-quarter deck fitted with a strong steel hood or a deck house aft: *Yes*
Fitted with a double bottom within the midship half-length: *Yes*
Of the double bottom adequate longitudinal subdivision: *Yes*
Plates for lashings: *Minimum 8' 4" Maximum 17' 8"*
Bulkhead to first eye plates: *4'-9" from Forecastle Bulk 8'-0" from Poop Transom*
I think that assignment of timber load line should be conditional upon further requirements as to equipment, and if so, what does the surveyor propose: */*

ed-quarter deck:

r than raised-quarter de

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Questions regarding Tankers.

Pump room accessible from freeboard:
Are such access openings closed:
Hatchways fitted with watertight steel covers:
Open rails fitted for at least half the length of the exposed portion of the weather deck:
Trunk ships: Are open rails fitted in way of the whole length of the trunk:

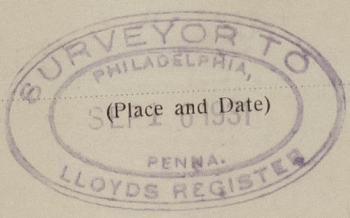
the ship's length from

3'-0"

added to Deck

means of closing: *Yes*

ings: 21" (Stow)



Marshall
(Surveyor's signature)



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measured relative