第一附屬書

商船ノ満載吃水線ノ決定ニ關ス

ル規則

第一編 總則

前提トス對シ十分ナル復原性ヲ確保スルガ如キモノタルコトヲ本規則ハ必然的ニ貨物、脚荷等ノ性質及積付ガ船舶ニ

第一規則 定義

分ナル裝置ヲ有スル一切ノ船舶ヲ包含スナル帆面積ヲ備フルモノヲ除クノ外機械的推進ノ爲十汽船」「汽船」ナル用語ハ帆ノミニ依ル航行ノ爲十分

吃水線ヲ指定スルコトヲ得ナル帆面積ヲ備フル船舶ニハ本規則第三編ニ依リ滿載機械的推進裝置ヲ備ヘ且帆ノミニ依ル航行ノ爲不十分

載吃水線ヲ指定スペシハ曳カレテ航行スルトキハ本規則第三編ニ依リ之ニ滿一艀、荷艀又ハ獨立ノ推進裝置ヲ有セザル其ノ他ノ船舶

國際滿載吃水線條約 第一附屬書

ANNEX I.

RULES FOR DETERMINING MAXIMUM LOAD LINES OF MERCHANT SHIPS.

PART I.—GENERAL.

The Rules necessarily assume that the nature and stowage of the cargo, ballast, &c., are such as to secure sufficient stability for the ship.

Rule I.—Definitions.

Steamer.—The term "steamer" includes all ships having sufficient means for mechanical propulsion, except where provided with sufficient sail area for navigation under sails alone.

A ship fitted with mechanical means of propulsion and with sail area insufficient for navigation under sails alone may be assigned a load line under Part III of these Rules.

A lighter, barge or other ship without independent means of propulsion, when towed, is to be assigned a load line under Part III of these Rules.

帆

平甲板船 船 帆船 備 否 トヲ問 フルー切ノ船舶ヲ包含ス ハズ帆 帆船」ナル用 ノミニ依 語 ル ハ機械的推進裝置ヲ備フル 航行 ノ爲十分ナ ル帆面

積

ŀ ヲ

平甲板船 ス 平甲板船 ノヽ 乾舷甲板 ニ船樓ヲ有セザ ル船舶

做ス シテ舷ヨリ 樓 船樓 舷 ハ乾舷甲板ニ於ケル甲板ヲ有スル建設物 ニ亙ルモ ノトス低船尾樓ハ之ヲ船樓ト看

線ノ 乾舷 測リタル距離トス 上縁ヨリ滿載吃水線ヲ示ス線 指定セラルル乾舷 ハ船舶ノ中央ノ舷 ノ上縁迄垂直 ニ於テ甲板 = 下 方

乾

舷

船

楼

舶ニ 通甲板トス乾舷甲板ハ平甲板船及分立船樓ヲ有スル船 十六規則ニ從ヒ閉鎖スル常設裝置ヲ有スル最上層ノ全 テ甲板 乾舷甲板 在リテハ上甲板トス ノ露天部ニ 乾舷甲板ハ乾舷ヲ測ル基準ト爲ル甲板ニシ 於ケル一切ノ開ロヲ第八規則乃至第

乾粒甲

板

閉鎖セラレザル船樓又ハ第一 樓 船樓甲板下ノ甲板ノ最下線ヲ乾舷甲板 内ニ於テ連續セザル乾舷甲板ヲ有スル 級閉鎖設備ヲ備 船舶 ŀ ス ヘザル船 在 IJ テ

> propulsion alone, whether or not fitted with mechanical means of provided with sufficient sail area for navigation under sails Sailing Ship.—The term "sailing ship" includes all ships

no superstructure on the freeboard deck. Flush Deck Ship .- A flush deck ship is one which

ship. A raised quarter deck is considered a superstructure. on the freeboard deck extending from side to side Superstructure.—A superstructure is a decked structure

upper edge of the load line mark. amidships from the upper edge of the deck line to the measured vertically downwards at the side Freeboard.—The freeboard assigned is the distance of the ship

and ships with detached superstructures Rules VIII to XVI. It is the upper deck in flush deck ships ings in weather portions of the deck in accordance with complete deck having permanent means of closing all openwhich the freeboard is measured, and is Freeboard Deck.-The freeboard deck is the deck from the uppermost

deck below the superstructure deck is taken as the freesuperstructures which are not intact, or which are not fitted with Class 1 closing appliances, In ships having discontinuous freeboard decks within the lowest line of the

船舶 滿載吃水線 アノ中央 ノ長サノ中央トス 船舶ノ中央ハ第三十二規則ニ 定 ム N

第二規則 甲板線

甲板線 過 乾舷甲板ガ船舶ノ中央ニ於テ部分的ニ ガ外板ノ外面ト交叉スル點ヲ通過スベシ(第一圖參照) ラルベク且其ノ上緣 ノ上面ノ外方へノ延長ガ外板ノ外面ト交叉スル點ヲ通 スベ ハ甲板線ノ上縁 線トス甲板線 ハ長サ三百ミリメー ハ船舶ノ中央ニ於ケル實際ノ被覆物 ハ乾舷甲板ノ上面ノ外方へノ延長 ハ各舷ニ於テ船舶 ŀ ル幅二 十五ミリメート 被覆セラルルト ノ中央ニ標示セ iV

一規則 滿載吃 水線圓

十五ミリメート 滿載吃水線圓 板 圓 線 標ノ中心ヲ通過 下方ニ於テ船舶 標 ル スル長サ四百六十ミリ 直徑三百ミリメ 水平線ニ依リ交叉セラル ノ中央ニ標示セラ I ŀ ル ル メ = Ţ シテ上縁ガ べ 圓 ŀ 標 ル 幅二 甲

線満 円 標 水

board deck

夏期

the summer load water-line, as defined in Rule XXXII Amidships.—Amidships is the middle of the length of

Rule II.—Deck Line

surface of the freeboard deck intersects the outer surface and one inch in breadth. of the shell. (See figure 1.) Where the deck is partly sheaththe point where the continuation outwards of the upper each side of the ship, and its upper edge is to pass through the outer surface of the shell upper surface of the actual sheathing at amidships intersects through the point where the continuation outwards of the amidships, the upper edge of the deck line is to pass The deck line is a horizontal line twelve inches in length It is to be marked amidships on

Rule III.—Load Line Disc.

amidships below the deck line and one inch in breadth, the upper edge through the centre of the disc. intersected by a horizontal line eighteen inches in The load line disc is twelve inches in diameter and is The disc is of which to be marked length passes

うべき 連門標 に 関

各種 滿載吃水線 ラ情 況 ヲ 及 各 匹 種 規 則 1 季 節 圓 標 = 關

聯

シ

テ

用

フベ

丰

線

平 長 1 線 サニ ル前 一百五十 ル 方 シ 標 示ス線 ミリ 示 メート 夕 八圓標 圖 ル 垂直線 参照 トル 幅二 第二 中心 3 + IJ 附 之 ラ 五 五. 屬書參照) E Y 百四四 直 角 メ + 1 引キタ 1 = ミリ 於 ル ノ タ 水 ル メート ケ ル

= 用 フベ キ線 左 如

線満

載

ス ル 以期滿載吃水線 線 縁及Sト 夏期滿載 標 示シ 吃水線 夕 ル 線 ラ 上 ハ圓 緣 標 = - 依リ之ヲ1/中心ヲ通3 リ之ヲ示 過

多期 多期北大西洋滿載吃水ノ上線ニ依リ之ヲ示ス 滿 職吃水線 多期滿 ス 載 吃水 線 ノヽ W ŀ 標 示 シ 夕 ル 線

吃冬

水期 線満

載

熱WNA 帯 ト 滿 示 シ 夕 ル 線 ノ上 水 緣 線 = 依 多期 リ之ヲ示 北 大西洋滿 ス 載 吃 水 線

吃西冬 水洋期 線満北 載大

上緣 載吃水線 二依 リ之 2ヲ示ス 熱帶 滿 載吃水 線 ノヽ T ŀ 標 示 シ 夕 ル 線

淡水滿載吃水線 線ノ上 吃水線 緣 對 1 依 間 リ之ヲ示ス夏期淡水 夏期淡 サ 差 六 他 水滿 餘裕 滿載吃水線 載吃水線 ŀ ス熱帶淡 滿載吃水線 F 付淡 水滿 1 標 載吃水 水 ŀ 示 夏期 ニ於 シ Ŋ

吃淡

水線載

吃埶

水湯湯

Rule IV.—Lines to be usedinconnection with the

of the disc (see figure 1). different inch in breadth, which extend from, and are at right angles a vertical line marked 21 inches forward are to be horizontal lines, The circumstances lines which indicate and in nine inches in length and one the different seasons (see Annex maximum of the centre Ħ.

The following are the lines to be used:-

bу centre of the disc and also by a line marked the upper edge of the line Summer Load Line.—The Summer load line in indicated which passes

bу the upper edge of a line marked W Winter Load Line.—The winter load line S indicated

marked WNA Atlantic load line is indicated by the upper edge of a line Winter North Atlantic Load Line.—The Winter North

bу the upper edge of a line marked T Tropical Load Line.—The Tropical Load Line is indicated

in summer and the Summer load Summer is The Fresh Water Load Lines.—The Fresh difference indicated between the by the upper edge of a line marked line Fresh is the allowance Water Water load load to Ħ

made for loading in Fresh Water at the other load lines.

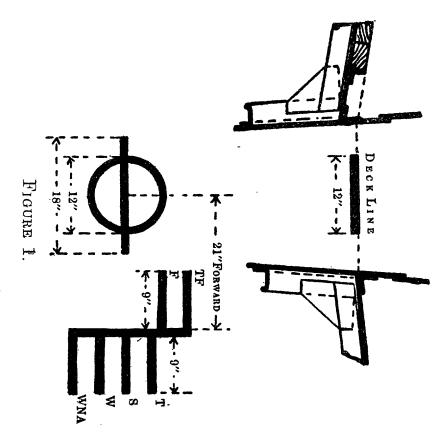
線ハFト標示シタル線ノ上緣ニ依リ之ヲ示ス(註)

色 ル餘分ノ積載ヲ許ス 外海トノ間ニ於ケル消費ニ要スル燃料等ノ重量ニ相當ス 航海汽船ガ河川又ハ内水ヲ航行スルトキハ發航點ト

徭 --- 460終 --不 300然 - 业 不-300萬 上 扳 イー 540 純前 ガヘーン 蕊 国

> upper edge of a line marked T.F.* weight of fuel, &c., required for consumption between the water, deeper loading is permitted corresponding to the The Tropical Fresh Water load line is indicated by the * Where sea-going steamers navigate a river or inland

point of departure and the open sea.



國際滿載吃水線條約 第一附屬書

三九五

の標 標 展 関

第五規則 指定機關ノ標示

五ミリメートルノ大サノ文字ヲ以テ之ヲ示スコトヲ得ノ上方ニ標示シタル高サ約百十五ミリメートル幅七十滿載吃水線ヲ指定スル機關ハ圓標ノ側方ニ於テ中心線

第六規則 標示ノ細目

目標示の細

八之ガ爲特別ノ措置ヲ執ルベシハ明ニ認メ得ラルルモノタルベク且必要ノ場合ニ於テハ明ニ認メ得ラルルモノタルベク且必要ノ場合ニ於テニ入念ニ之ヲ切込ミ又ハ點刻シ又木船ニ在リテハ此等色ノ地ニハ黑色ニテ之ヲ蜚クベシ尙此等ハ鐵鋼船ノ舷側標、線及文字ハ暗色ノ地ニハ白色又ハ黄色ニテ又明圓標、線及文字ハ暗色ノ地ニハ白色又ハ黄色ニテ又明

第七規則 標示ノ檢證

証標示の検

交付スペカラズニ舷ニ示サレアルコトヲ證明スル迄ハ船舶ニ對シ之ヲニ舷ニ示サレアルコトヲ證明スル迄ハ船舶ニ對シ之ヲ條ノ規定ニ依リ行動ス)ニ於テ標示ガ正確ニ且永續的國際滿載吃水線證書ハ指定機關ノ檢査員(本條約第九

Rule V.—Mark of Assigning Authority.

The Authority by whom the load lines are assigned may be indicated by letters measuring about 4½ inches by 3 inches marked alongside the disc and above the centre line.

Rule VI.—Details of Marking.

The disc, lines and letters are to be painted in white or yellow on a dark ground or in black on a light ground. They are also to be carefully cut in or centre-punched on the sides of iron and steel ships, and on wood ships they are to be cut into the planking for at least one-eighth of an inch. The marks are to be plainly visible, and, if necessary, special arrangements are to be made for this purpose.

Rule VII.—Verification of Marks.

The International Load Line Certificate is not to be delivered to the ship until a surveyor of the Assigning Authority (acting under the provisions of Article 9 of this Convention) has certified that the marks are correctly and permanently indicated on the ship's sides.

第二編 滿載吃水線 ノ指 定 ノノ條件

舶及船員二對 滿 載吃水線 ノ指定 シ實效アル保護ノ設備ア 八船: 舶ガ構造上十分 ル ナ コ ル ŀ コ 1 ヲ 條 並 件 船 1

船 第八規 コ 船 舶ニ之ヲ適用 ŀ ヲ 舶ニ在リ 則 乃至第三十 テ ハ右保護ハ之ニ應ジ ス最小限 規則ハ最小乾舷ガ指定 ョリ大ナル乾舷 相對的 ガ指定セラ - 實效ア セ ラ N N N ル

乾舷甲板 及船樓甲板 = 於 ケル 開

第八規以 則 船樓 = 依 IJ 保護 セ ラ V ザ ル

貨物艙 口及他 7 艙 口

乾舷甲板及船樓甲板 艙 ル ロノ 標 爆準ト少 構造及裝置 **/クトモ** 同等ノモ ハ第九規則乃至第十 ノ暴露部 ノ タ = ルベ 於 ケ ル ·六規則 貨 物 艙 口 規定ス 及他

第九規則 艙 口 緣

乾舷甲板 モ 六百十 高 サ ハ船首材 ・ミリ = 於 メ ケ I N 3 艙 リ船舶ノ ŀ ル 口 緣 夕 材ノ高 ル 長 ベシ サ .サハ 船樓甲板 四 甲板 分 於 上方少 以 內 ケル縁材 在 力 ŀ ル

艙 П 縁材

> $\mathbf{P}_{\mathbf{ART}}$ II.—CONDITIONS OF ASSIGNMENT OF LOAD LINES

(条一一•交通)

ship being structurally efficient and upon effective protection to ship and crew The assignment of load lines in conditional the provision of upon

boards freeboards are assigned. be relatively as effective Rules VIII to XXXI apply to ships to than the minimum In ships to are assigned, the protection is to which greater freewhich minimum

Openings in Freeboard and Superstructure Decks

Rule VIII.—Cargo and other Hatchways not protected by Superstructures.

down ways in exposed positions on freeboard and superstructure decks The Ħ are to construction and Rules be at least equivalent IX to XVI fitting of cargo and other hatchto the standards laid

Rule IX.—Hatchway Coamings.

coamings on superstructure decks is to be at least 24 inches is to The be at least 24 inches above the deck. height of hatchway coamings on freeboard The height of decks

國際滿載吃水線條約 第一附屬書

屬書

以 N r べ 外ニ在ルト 丰 シ ハ甲板ノ上方少クトモ六百十ミリメー キハ少クト ·七四百 五十七 ミリ メート ۲ ル 又其ノ ŀ ル 刃

緣材 ヲ變更スルコトヲ得 取附クベシ端緣材ガ保護 二百五十四ミリメート ミリメート テ防撓材ヨリ甲板ニ達スル實效アル肘板又ハ支柱ヲ 横防撓材ヲ取附ケ且三メートル○五ヲ超エザ ハ鋼製 ル r ナル ・スベ コトヲ要 堅牢 ル ヨリ低カラザル個所ニ實效ア セラルルト ヘスル = 構造 トキハ ースベ キハ右ノ要件ハ之 其ノ上緣 ク且 一サ六百 ジア下方 ル間隔

第十規則 艙口蓋

トルタルベシノ艙口蓋ニ對スル各支面ノ幅ハ少クトモ六十三ミリメ
點間隔ニ對シ少クトモ六十ミリメートルタルベシ此等
トキハ其ノ仕上ノ厚サハーメートル五二ヲ超エザル支
暴露セル艙口ノ蓋ハ實效アルモノタルベク且木製ナル

第十一規則 艙口梁及縱材

1 百 ŀ 寸法及心距ノモ 十ミリメートル ノ艙口蓋ヲ備 ルノ緣材ヲ要スルトキハ第二 フル場合ニ タルベク又高サ四百五十七ミリ 縁材ヲ要スルト 於テ艙口梁及縱材 表ニ掲グ キハ第一表 ル寸法及 ハ高 揭

above the deck if situated within a quarter of the ship's length from the stem, and at least 18 inches if situated elsewhere.

Coamings are to be of steel, are to be substantially constructed and, where required to be 24 inches high, are to be fitted with an efficient horizontal stiffener placed not lower than 10 inches below the upper edge, and fitted with efficient brackets or stays from the stiffener to the deck, at intervals of not more than 10 feet. Where end coamings are protected, these requirements may be modified.

Rule X.—Hatchway Covers.

Covers to exposed hatchways are to be efficient, and where they are made of wood, the finished thickness is to be at least $2\frac{3}{8}$ inches in association with a span of not more than 5 feet. The width of each bearing surface for these hatchway covers is to be at least $2\frac{1}{2}$ inches.

Rule XI.—Hatchway Beams and Fore-and-Afters.

Where wood hatchway covers are fitted the hatchway beams and fore-and-afters are to be of the scantlings and spacing given in Table 1 where coamings 24 inches high are required, and as given in Table 2 where coamings 18

ニテ包マルベシ、一製総材ハー切ノ支面ニ於テ鋼板、上で全長ニ及ブベシ木製総材ハー切ノ支面ニ於テ鋼板心距ノモノタルベシ上縁ニ於ケル山形材ハ連續シテ各

inches high are required. upper edge are to extend continuously for the full length of each beam. Wood fore-and-afters are to be steel shod Angle bar mountings on the

at all bearing surfaces.

(高サ六百十ミリメートルノ緣材)

長サ六十一メートル以上ノ船舶ニ對スル艙口梁及維材 (註)

艦

П

歟

Table 1.

(Coamings 24 inches in height.)

HATCHWAY Beams and Fore-and-Afters for Ships 200 feet or more in length.*

HATCHWAY BEAMS.

		Beam	Beams with Fore-and-Afters.	-Afters.	Beams without Fore-and-Afters.	ore-and-Afters,
Breadth of Hatchway.	Mounting.	Spa	Spacing Centre to Centre.	entre.	Spacing Centre to Centre.	re to Centre.
		6'0"	8′0′	10′0″	4'0"	5'0"
10′0′′	ins. ins. ins. $3 \times 3 \times .40 A$	ins. ins. 11 × .30 P	ins. ins. 12 × .32 P	ins. ins. 14 × .34 P	ins. ins. 9 × .46BP	ins. ins. 10 × .50 B P
12'0"	$3 \times 3 \times .40A$	$12 \times .32 P$	$14 \times .34P$	$17 \times .36 P$	11 × .50BP	$12 \times .50 \mathbf{BP}$
14'0"	$3 \times 3 \times .42A$	$14 \times .34P$	$17 \times .36 P$	$20 \times .38P$	$12 \times .50 BP$	$12 \times .32 \mathbf{P}$
16'0"	$3\frac{1}{2} \times 3 \times .42 \text{ A}$	$16 \times .36P$	$19 \times .38P$	22 × .38 P	$12 \times .32P$	$14 \times .34P$
18'0"	$4 \times 3 \times .44A$	$18 \times .36 P$	$21 \times .38P$	$25 \times .40 P$	14 × .34 P	16 × .36 P
20'0"	$4 \times 3 \times .44A$	$20 \times .38 P$	$24 \times .40 P$	$28 \times .42 \mathbf{P}$	$15 \times .34P$	$18 \times .36 P$
22' 0"	$4\frac{1}{2} \times 3 \times .46A$	$22 \times .38P$	$26 \times .42 \mathbf{P}$	$30 \times .44 P$	16 × .36 P	$19 \times .36P$
24'0"	$5 \times 3\frac{1}{2} \times .46A$	$23 \times .40 P$	$28 \times .42 P$	$32 \times .44P$	$17 \times .36P$	20 × .38 P
26'0"	$5\frac{1}{2} \times 3\frac{1}{2} \times .48A$	$24 \times .40 P$	$29 \times .42P$	$34 \times .46P$	18 × .36 P	21 × .38 P
28′0″	$6 \times 3\frac{1}{2} \times .50 \text{ A}$	$25 \times .40 P$	$31 \times .44P$	$36 \times .48P$	19 × .38 P	$22 \times .38P$
30′0″	$6 \times 3\frac{1}{2} \times .52A$	$26 \times .42 P$	$32 \times .44P$	$38 \times .48P$	$20 \times .38P$	$23 \times .40 P$

四〇一

-		,	+	-
•	-	٠	1	7

3.05	2.44	1.83		京サ	総材ノ		3.05	2.44	1.83		が対し大		
200 1	165	140 1	D	× 1 } 0.91		*	65×65×10	65×65× 9.5	65×65× 9		取附林		
180	180	180	В	7	Ç	煙		\(\sqrt{1} \)					
215	190	150	D	1.22			200×12.5	180×10.5	150× 9	メートル 0.91	Ç	中族	
200	180	180	В	7		央	N	N	<u> </u>			央	斧
230	200	165	D	× 1.52	問	縱 材	240×12.5	200×11	165× 9.5	メートル 1.22		於	
230	180	180	В	2 72			280×12.5	230×11	180× 9.5	√ - } 1.52	問	类类	
200	165	140	D	*			12.5	<u> </u>	9.5	52 52			
180	165	140	В	0.91	<u>ن</u>	木	200×90×12	180×90×10·5	150×75× 9	メートル0.91		無	华
215	190	150	D	*			2.5		9.5	-	ب ب		
200	180	150	В	1.22	町	側統	$240 \times 90 \times 12.5$ $280 \times 90 \times 12.5$	200×75×11	165×90× 9.5 180×90× 9.5	メートル 1・22		当然悉	
230	200	165	D	× 1		本	5 280 >	230 >	5 180 ×	\ \	問	左左	
230	180	150	В	- } " 1.52			<90×12.5	230×90×11	×90× 9.5	1.52	:		

Fore-and-Afters.

10'0"	8'0"	6'0"		<u> </u>	·		10'0"	8′0′	6'0"	TATECT O.	Fore-and-	I enoth of	
∞	61	ins.	D	3′0″			21× 21×	2½× 2½×	ins. ins. $2\frac{1}{2} \times 2\frac{1}{2} \times$		Mounting.		
7	7	ins.	В	"	? pacing	Wood	× ·40	× •3	ins.		ing.		
8	7½	ins.	D	ing Centre	ing Centre	ing Centr	Centre Fo	8 × .50	7 × .42	ins. ins. 6 × .36	3'0"	Spa	C
∞	7	ins. 7	В	"	to	Fore-and-Afters		∞	ins. $6\frac{1}{2}$ ×		acing C	Bu entre F	
9	∞	ins.	D	5'0"	Centre.	Afters.	9½× .50	× .44	ins 38	4'0"	Spacing Centre to Centre.	Bulb Plate. Centre Fore-and-Afters.	
9	7	ins.	В	0,			11 X	У Х	ins.	5/0"	Centre.	Afters.	
∞	62	ins. 5½	D	w			•50	. 44	ins.				
7	6 19P	ins.	В	3'0"	Spacin	Wood	8 × 3½×	7 × 3½×	ins. ins. 6 × 3 ×	3'0"	Sp		
∞ 14 / 1	71	ins.	D	4	gr	Side F	.50 83	.42 8	ins. ins. $.36 6\frac{1}{2}$	The second second second	acing	Side F	
∞	7	ins.	В	4'0"	Centre to Centre	Fore-and-Afters.	$8\frac{1}{2} \times 3\frac{1}{2} \times .5011 \times 3\frac{1}{2} \times .50$	∞ × ∞ ×	ins, ins. ins. $6\frac{1}{2} \times 3\frac{1}{2} \times .38$	4'0"	acing Centre to Centre	Bulb Angle. Side Fore-and-Afters.	
9	∞	ins. $6\frac{1}{2}$	D	\Sigma_1	ntre.	fters.	50 11 ×	· 44 9 X			Centre.	fters.	
9	7	ins.	В	5'0"			3½× .50	$3\frac{1}{2} \times .44$	ins. ins. ins. $7 \times 3\frac{1}{2} \times .38$	5'0"	-		

A=通常山形材、BP=球板、P=平板、D=深サ、B=幅

艙口梁ノ深サハ長サノ中央ニ於ケルモノニシテ上部取附材ヨリ梁ノ下縁迄之ヲ測ル縱材ノ深サハ艙口板ノ下面ヨリ縱材 ノ下緣迄之ヲ測ル中間ノ長サ及心距ニ對スル寸法ハ挿間法ニ依リ之ヲ求ム平板ト定メラレタルトキハ取附材ニ關シテ掲 グル寸法ノ二個ノ山形材ヲ深ノ上部及下部ニ取附クベシ球板ト定メラレタルトキハ取附材ニ關シテ掲グル寸法ノ二個ノ 山形材ヲ深又ハ縦村ノ上部ニ取附クベシ球山形材ト定メラレタルトキハ取附村ニ關シテ掲グル寸法ノ一個ノ山形材ヲ右 形材ノ上部ニ取附クベシ山形材ノ定メラレタル両邊ガ異レル寸法ノモノナル場合ニ於テハ廣邊ハ水平タルベシ

(註) 長サ三十メートル五○ヲ超エザル船舶ニ在リテハ平板及山形村ヨリ成ル梁ノ深サハ前記ノ深サノ六十「パー ント」タルコトヲ得球山形材又ハ球板ヨリ成ル染及鋼製縱材ノ深サハ節記ノ深サノ八十「パーセント」タルコトヲ得 平板、球山形材及球板ノ厚サハ七ミリメートル五ヲ最小限ノ厚サトシ減少セラレタル深サニ對シ表ニ示ス厚サニ相 當スベシ木製縱村ノ深サ及幅へ側縱材ニ關シ表ニ掲グルモノノ八十「パーセント」タルコトヲ得但シ中央縱材ハ幅百 材ノ寸法へ挿間法ニ依リ之ヲ決定スベシ 六十五ミリメートル未満タルコトヲ得ズ長サ三十メートル五〇ト六十一メートルトノ中間ノ船舶ニ在リテハ梁及縦

A=Plain angle. BP=Bulb plate. P=Plate. D=Depth. B=Breadth.

to the lower edge. Depths for fore-and-afters are measured from the underside of the hatch covers to an angle are of different dimensions, the larger flange is to be horizontal. size given for mountings, is to be fitted at the upper part of the section. Where the specified flanges of part of the beam. Where bulb plates are specified, two angles, of the size given for mountings are to be are specified, two angles of the size given for mountings, are to be fitted at the upper and at the lower the lower edge. Sizes for intermediate lengths and spacing are obtained by interpolation. Where plates fitted at the upper part of the beam or fore-and-after. Where bulb angles are specified, one angle, of the Depths for hatchway beams are at the middle of the length and are measured from the top mounting

are to be determined by linear interpolation. inches wide. In ships between 100 feet and 200 feet in length, the sizes of the beams and fore-and-afters those given in the tables for side fore-and-afters, but the centre fore-and-afters must be not less than 63 minimum thickness of .30 inch; the depths and breadths of wood fore-and-afters may be 80 per cent. of bulb angles and bulb plates should correspond to the thickness tabulated for the reduced depths with a bulb angle or bulb plate section may be 80 per cent. of the depths given above; the thickness of plates, may be 60 per cent. of the depths given above; the depths of beams and steel fore-and-afters formed of In ships not exceeding 100 feet in length, the depths of beams which are formed of plates and angles

第二表

(高サ四百五十七ミリメートルノ緣材)

長サ六十一メートル以上ノ船舶ニ對スル艙口梁及縦材 (註)

		※ 才	材アルトキノ	グッジ	縦材ナキトキノ梁	トキノ梁
艙口/幅	取 附 材	ŷ		町	ŗ	問
		メートル 1.83	メートル 2・44	× 1	メートル 1.22	メートル 1.52
3.05	75×75×10A	ミリメートル 241×11・5 B P	267×12.5 B P	292×13 B P	ミリメートル 203×10 BP	ミリメートル 230×11BP
3.66	$75 \times 75 \times 10 A$	$280 \times 12.5 \mathbf{BP}$	$280 \times 7.5 \mathbf{P}$	330× 8.5P	230×11 BP	254×12.5 B P
4.27	75×75×10.5A	$280 \times 7.5 P$	330× 8 P	$381 \times 8.5P$	254×12.5BP	292×12.5 B P
4.88	$90 \times 75 \times 10.5 $ A	305× 8 P	$381 \times 8.5 P$	432× 9 P	280× 7.5P	280× 7.5 P
5.49	$100 \times 75 \times 11 \mathrm{A}$	356× 8.5 P	432× 9 P	483× 9.5P	280× 7.5 P	305× 8 P
6.10	$100 \times 75 \times 11 \mathrm{A}$	406× 9P	483× 9.5P	533× 9.5P	305× 8 P	330× 8.5 P
6.71	$115 \times 75 \times 11.5 A$	432× 9P	508× 9.5 P	$584 \times 10 P$	318× 8P	356× 8.5 P
7.32	$130\times90\times11.5A$	457× 9 P	533× 9.5 P	635×10P	330× 8.5P	368× 8.5P
7.93	$140 \times 90 \times 12A$	483× 9.5P	559× 9.5 P	660×10.5 P	344× 8.5P	$381 \times 8.5 P$
8.54	$150 \times 90 \times 12.5 \mathbf{A}$	508× 9.5P	584×10 P	686×10.5 P	356× 8.5P	406× 9 P
9.14	150×90×13A	533× 9.5P	610×10 P	711×10.5P	381× 8.5 P	432× 9 P

Table 2.

(Coamings 18 inches in height.)

HATCHWAY Beams and Fore-and-Afters for Ships 200 feet or more in length.*

HATCHWAY BEAMS.

30′0″	28′ 0″	26'0"	24' 0"	22′ 0″	20′0″	18′0″	16'0"	14'0"	12'0"	10'0"		Breadth of Hatchway.	
$6 \times 3\frac{1}{2} \times .5$	$6 \times 3\frac{1}{2} \times .5$	$5\frac{1}{2} \times 3\frac{1}{2} \times .4$	$5 \times 3\frac{1}{2} \times .4$	$4\frac{1}{2}\times 3\times .4$	$4 \times 3 \times .4$	$4 \times 3 \times .4$	$3\frac{1}{2}\times 3\times .4$	$3 \times 3 \times .4$	$3 \times 3 \times .4$	ins. ins. ins. $3 \times 3 \times .40$		Mounting.	
.52A	.50A	.48A	.46A	.46A	.44A	.44A	.42A	.42A	.40A	ins. .40A	 		
21 ×	20 ×	19 ×	18 ×	17 ×	16 ×	14 ×	12 ×	:: ×	∺ ×	ins. $9\frac{1}{2}$ ×	6'		
.38 P	.38 P	.38 P	.36 P	.36 P	.36 P	.34 P	.32 P	.30 P	.50BP	ins. .46BP	6'0"	Spaci	Beams
24 ×	23 ×	22 ×	21 ×	20 ×	19 ×	17 ×	15 ×	13 ×	:: ×	$10\frac{1}{2}$	∞(ng Cen	with F
.40 P	.40 P	.38 P	.38 P	.38 P	.38 P	.36P	.34P	.32 P	.30 P	ins. .50 B P	8′0″	Spacing Centre to Centre	Beams with Fore-and-Afters
28 ×	27 ×	26 ×	25 X	23 ×	21 ×	19 ×	17 ×	15 ×	13 ×	$11\frac{1}{2}$	10	ntre.	Afters.
.42 P	.42 P	.42 P	.40 P	.40 P	.38 P	.38 P	.36P	.34P	.34P	ins. .52 B P	10'0"		
$15 \times .34 P$	$14 \times .34P$	13½× .34 P	$13 \times .34P$	12⅓× .32 P	$12 \times .32 P$	$11 \times .30P$	$11 \times .30P$	10 ×	9 X) ins. ×	41	Spac	Beams
.34 P	.34P	.34P	.34P	.32 P	.32 P	.30 P	.30 P	$10 \times .50 \mathbf{BP}$	$9 \times .44 B P$	ins. ins. $8 \times .40 BP$	4'0"	Spacing Centre to Centre	withont
17 ×	16 ×	15 ×	14½×	14 ×	13 ×	12 ×	:: ×	11½×	10 X	ins.	٧Į٦	re to C	Fore-and
$17 \times .36P$	$16 \times .36P$	$15 \times .34P$	14½× .34P	$14 \times .34P$	$13 \times .34P$	12 × .32 P	$11 \times .30 P$	$11\frac{1}{2} \times .50 \mathbf{BP}$	$10 \times .50 BP$	ins. ins. $9 \times .44 \mathrm{BP}$	5'0"	entre.	Beams withont Fore-and-Afters.

			•										
3.05	2.44	1.83		東サ	総材ノ		3.05	2.44	1.83		終材ノ展		
180	150	130	D	× 1 · · · · · · · · · · · · · · · · · ·			65×65×10	65×65× 9.5	65×65× 9		坂 附		-
180	180	180	В	7 7	È	大螻螻	10	9.5	9 7	_	华		
190	165	140	D	× - } 1.22			180×11	150× 9.5	130× 8.5	メートル0.91	Ç		
180	180	180	В	7		央	20	18	14	×		央	奔
200	180	150	D	× - } 1.52	聞	際	200×11.5	180×10	**************************************	ートル 1・22		證	
180	180	180	В	2 7			230×12.5	190×10.5	150× 9	× 1.5	問	核材	A CONTRACTOR OF THE PARTY OF TH
180	150	130	D	\. 0 l			12.5	10.5	9	- } /\ •52	VIII THE STATE OF STATE OF		
150	130	130	В	0.91	<u> </u>	大豐豐	180×75×11	150×75× 9.5	130×75× 8·5	メートル 0.91	Ċ	運 菜	本
190	165	140	D	1.2		側	200	5 180		~			
180	150	130	₩	F)\(\bar{2}\)	間	漈	200×90×11.5 230×90×12,5	180×75×10	140×75× 8.5 150×75× 9	ートル 1.22		落志	
200	180	150	D .	× - 1	1111		5 230×	190×	5 150 X	×,	問	左左	
180	150	130	В	1.52			90×12,5	190×90×10·5	() × 15× 9	- F JV - 52			

(条一一• 交通)

FORE-AND-AFTERS.

10'0"	8′0″	6'0"					10'0"	8′0″	6' 0''	Ticis.	Fore-and-	I anoth of			
7	6	ins.	D	3/			2½× 2½×	23×	ins. ins. $2\frac{1}{2} \times 2\frac{1}{2} \times$		Mou				
7	7	ins.	В	3'0"	Spa	Wood	2⅓× •40	2}× .38	ns. ins. 23× •36		Mounting.				
71	6	ins. H.	ם	4'0"	Spacing Centre to Centre.	Wood Centre Fo	7 × .44	6 × .38	ins. ins. 5 × .34	3 0'	Spa	Ce			
7	7	ins.	В	`	e to Ce	e to Ce	to Cen	Fore-and-Afters.	∞	7 ×	ins. 53×		cing C	Bu intre F	
∞	7	ins.	D	5′0′	ntre.	Afters.	× .46	× .40	ins. × •34	4 0'	Spacing Centre to Centre	Bulb Plate. Centre Fore-and-Afters	r Okt-		
7	7	ins.	В	0"			9 X	73×	ins.	5 0'	Centre.	Afters.	r ore-and-arters.		
7	6	ins. 5	D	w			.50	.42	ins.				EKU.		
6	Vī	ins.	В	3'0"	1	Spaci	Spacing	Wood Side	7 × 3 ×	6 X W X	ins. ins. $5 \times 3 \times$	3 0'	Sp		
71	63	ins. 51	D		ing Cer	Side I	.44 8	.38 7	ins. •34		acing	Side F			
7	6	ins.	В	4' 0"	ntre to Centre.	Centre to Ce	Fore-and-Afters	× 3½× ·46	$7 \times 3 \times .40$	ins. ins. ins. $5\frac{1}{2} \times 3 \times .34$	4 0′	Spacing Centre to Centre.	Bulb Angle. Fore-and-Afters.		
∞	7	ins.	D	5/	ntre.	fters.	V X	10 7½× 3½×	ins. ins. 34 6 × 3 ×	5	Centre.	fters.			
7	0	ins.	В	5'0"			3½× .50	$3\frac{1}{2}\times .42$	ins. ins. 3 × .36	0'			And in case of particular section in the case of the c		