

STEEL VESSELS.

TABLE S 7.

Table of Scantlings for DOUBLE BOTTOMS CONSTRUCTED ON THE CELLULAR SYSTEM.

PLATING NUMBER FOR REGULATING SCANTLINGS. (See Section 2.)	Centre Girder. — Depth above Top of Keel and Thickness.	Thick- ness of Side Girders	Number of Side Girders (exclusive of Margin Plates) on each side, with Floors at alternate Frames.	Margin Plate. — Depth (exclusive of Flange) and Thickness.	Thickness of Inner Bottom Plating.			Thick- ness of Brack't or Floor Plates.	DIMENSIONS OF ANGLE BARS.		
					In Engine and Boiler Space, and Middle Line Strake, for Half Length Amidships (b)	Middle Line Strake at Ends.	Remain- der of Plating before and abaft the Engine and Boiler Space.		On Centre Girder. (a)	On Margin Plates.	On Side Girders, Intermediate, and Vertical Angle Bars.
under 11,000	inches. $32 \times \frac{8}{20}$	inches. $\frac{6}{20}$	2	inches. $18 \times \frac{6}{20}$	inches. $\frac{7}{20}$	inches. $\frac{6}{20}$	inches. $\frac{6}{20}$	inches. $\frac{6}{20}$	inches. $3\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{20}$	inches. $3 \times 3 \times \frac{7}{20}$	inches. $3 \times 2\frac{1}{2} \times \frac{6}{20}$
11,000 and under 13,000	$33 \times \frac{8}{20}$	$\frac{6}{20}$	2	$19 \times \frac{7}{20}$	$\frac{8}{20}$	$\frac{6}{20}$	$\frac{6}{20}$	$\frac{6}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{20}$	$3 \times 2\frac{1}{2} \times \frac{7}{20}$
13,000 and under 15,000	$34 \times \frac{8}{20}$	$\frac{6}{20}$	3	$20 \times \frac{7}{20}$	$\frac{8}{20}$	$\frac{7}{20}$	$\frac{7}{20}$	$\frac{6}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{20}$	$3 \times 3 \times \frac{7}{20}$
15,000 and under 18,000	$35 \times \frac{9}{20}$	$\frac{7}{20}$	3	$21 \times \frac{7}{20}$	$\frac{8}{20}$	$\frac{7}{20}$	$\frac{7}{20}$	$\frac{7}{20}$	$4 \times 4 \times \frac{8}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{8}{20}$	$3 \times 3 \times \frac{7}{20}$
18,000 and under 21,000	$36 \times \frac{9}{20}$	$\frac{7}{20}$	3	$22 \times \frac{8}{20}$	$\frac{8}{20}$	$\frac{7}{20}$	$\frac{7}{20}$	$\frac{7}{20}$	$4 \times 4 \times \frac{9}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{8}{20}$	$3 \times 3 \times \frac{7}{20}$
21,000 and under 24,000	$38 \times \frac{10}{20}$	$\frac{7}{20}$	3	$24 \times \frac{8}{20}$	$\frac{9}{20}$	$\frac{8}{20}$	$\frac{7}{20}$	$\frac{7}{20}$	$4 \times 4 \times \frac{9}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{8}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{20}$
24,000 and under 28,000	$40 \times \frac{10}{20}$	$\frac{7}{20}$	3	$26 \times \frac{8}{20}$	$\frac{9}{20}$	$\frac{8}{20}$	$\frac{7}{20}$	$\frac{7}{20}$	$4 \times 4 \times \frac{9}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{8}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{20}$
28,000 and under 33,000	$42 \times \frac{10}{20}$	$\frac{8}{20}$	3	$28 \times \frac{8}{20}$	$\frac{10}{20}$	$\frac{8}{20}$	$\frac{8}{20}$ to $\frac{7}{20}$	$\frac{8}{20}$	$4 \times 4 \times \frac{9}{20}$	$4 \times 4 \times \frac{9}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{8}{20}$
33,000 and under 38,000	$44 \times \frac{10}{20}$	$\frac{8}{20}$	4	$30 \times \frac{9}{20}$	$\frac{10}{20}$	$\frac{8}{20}$	$\frac{8}{20}$ to $\frac{7}{20}$	$\frac{8}{20}$	$4 \times 4 \times \frac{9}{20}$	$4 \times 4 \times \frac{9}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{8}{20}$
38,000 and under 44,000	$46 \times \frac{11}{20}$	$\frac{8}{20}$	4	$32 \times \frac{10}{20}$	$\frac{10}{20}$	$\frac{8}{20}$	$\frac{8}{20}$	$\frac{9}{20}$ to $\frac{8}{20}$	$4 \times 4 \times \frac{10}{20}$	$4 \times 4 \times \frac{10}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{9}{20}$
44,000 and under 51,000	$48 \times \frac{11}{20}$	$\frac{9}{20}$ to $\frac{8}{20}$	4	$34 \times \frac{10}{20}$	$\frac{11}{20}$	$\frac{9}{20}$	$\frac{9}{20}$ to $\frac{8}{20}$	$\frac{9}{20}$ to $\frac{8}{20}$	$4 \times 4 \times \frac{10}{20}$	$4 \times 4 \times \frac{10}{20}$	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{10}{20}$

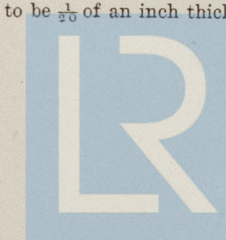
(a) Where Flat Plate Keels are adopted, the Angles connecting the same to the centre Plate are to be of the size required for Middle Line Keelsons in Table S 3.

(b) The breadth of the Middle Line Strake of the Inner Bottom Plating to be not less than that given for Garboard Strakes in Table S 2.

Where Flanged Plates are adopted for Floors, Brackets, Intercostal Plates, &c., as a substitute for fitting angles on the edges, such Plates are to be $\frac{1}{10}$ of an inch thicker than that given in the Table.

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