Table **I.—***continued.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 120 | 84 | 76 | 74 | Razée. |  |  | Razée. | 60 | 46 | 42 |  |  |  |  |  |  |  | Steam Vessels. | |
|  | 74 | | 28 | Fir. 28 | 18 | 18 | 10 |  | |
| Length of the vessel at] | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft.** | **In.** | **Ft. In.** | **Ft In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** | **Ft. In.** |
| the load water-line, that |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| is, between the fore side of the rabbet of the | 205 3 | 195 9 | 182 0 | 176 0 | 175 4 | 168 | 3 | 168 0 | 173 6 | 153 0 | 145 3 | 115 0 | 115 0 | 106 9 | 97 3 | 87 2 | 66 0 | 57 0 | 120 5 | 108 4 |
| stern and the aft side of the rabbet of the stern- post |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |
| Extreme breadth at the  load water-line |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55 6 | 52 21/4 | 49 9 | 48 3 | 47 9 | 47 | 8 | 47 8 | 44 3 | 40 3 | 38 6 | 31 10 | 31 10 | 30 3 | 30 3 | 24 8 | 23 8 | 20 6 | 22 8 | 21 3 |
| Mean difference between' |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| the load and launching draughts of water | 8 8 | 8 8 | 6 3 | 7 11/2 | 5 2 | 6 | **74** | 5 8 | 6 4 | 6 2 | 5 101/2 | 4 01/2 | 4 91/2 | 4 1 | 4 81/2 | 3 31/2 | 3 11/2 | 2 0 | 4 01/2 | 2 21/2 |
| 8 108/10 |  |  | 2 81/2 | 3 36/10 |
| Distance of the centre of gravity of the displace­ment below the load | 10 0 | 8 21/2 | 8 12/10 |  |  | 6 108/10 | 6 88/10 | 6 9 | 6 6 |  |  |  |  |  |  |
| 6 0 | 7 | **76/10** | 4 108/10 | 4 61/2 | 4 12/10 | 4 0 | 3 6 | 3 0 | 2 51/4 |
| water-line |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Distance of the centre of |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| gravity of the displacement before the middle of the length of the | 2 0 | 1 43/10 | 1 9 | 2 0 | 2 0 | 2 | 18/10 | 2 0 | 2 9 | 3 31/2 | 1 111/2 | 1 72/10 | 1 72/10 | 0 79/10 | 0 8 | 0 51/2 | 0 0 | 0 84/10 | 3 24/10 | 2 9 |
| load water-line |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Distance of the principal' |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| transverse vertical sec- |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| tion before the middle of the length on the load water-line | 118 0 | 13 6 | 8 6 | 20 0 | 14 4 | 15 | 6 | 13 3 | 8 6 | 10 0 | 15 0 | 15 0 | 15 0 | 13 0 | 8 6 | 8 0 | 2 0 | 5 6 | 10 6 | 8 6 |
| The same distance in pro |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| portion to the length of | •088 | •869 | •041 | ·11 | ·081 | ·092 | | ·08 | ·049 | ·065 | ·10 | ·13 | ·13 | ·12 | ·087 | ·091 | ·03 | ·098 | ·087 | ·079 |
| the load water-line |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Area of the principal trans |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| verse vertical section, | 1056 | 988 | 810 | 802 | 658 | 740 | | 646 | 616 | 540 | 500 | 320 | 280 | 241 | 241 | 164 | 138 | 102 | 166 | 104∙8 |
| in square feet |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Area of the load water-section, in square feet.. ∣ | 10012 | 8960 | 7952 | 7608 | 7176 | 6916 | | 6672 | 6704 | 5260 | 4776 | 3264 | 3160 | 2632 | 2368 | 1796 | 1232 | 948 | 2400 | 1894 |
| Displacement per inch at the load water-section, | 23∙83 | 21·33 | 18·9 | 181 | 17·09 | 16·46 | | 15·9 | 15·96 | 12·52 | 11·37 | 7·77 | 7·52 | 6·27 | 5·63 | 4·28 | 2·9 | 2 26 | 5·7 | 4·5 |
| in tons |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Area of the launching wa- |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ter-section, in square feet | 8440 | 7176 | 6760 | 6280 | 6048 | 5812 | | 5570 | 5336 | 4008 | 3760 | 2808 | 2288 | 2160 | 1680 | 1360 | 880 | 740 | 1808 | 1610 |
| Displacement per inch at the launching water- | 20·0 | 17·1 | 161 | 14·95 | 14·4 | 13·83 | | 13·26 | 12∙7 | 9·54 | 8·95 | 6∙68 | 5∙45 | 50 | 40 | 3∙24 | 209 | 1∙75 | 4 49 | 3∙83 |
| section, in tons |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Area of the sails, viz. jib |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| driver, courses, top- sails, and top-gallant sails, in square feet | 25618 | 26724 | 24226 | 23027 | 24374 | 23027 | | 24374 | 23027 | 16651 | 16107 | 10152 | 10152 | 9605 | 9277 | 6246 | 4825 | 3502 |  | ... |

**Note.—The depth of the lower side of the false keel, below the lower edge of the rabbet, for the brigs of eighteen guns. Is not inserted in the table, as an additional false keel is put to these vessels when they arc altered from brigs to ships, giving them an increase of six inches of false keel forward, and no increase aft. On this account the draught of water given for them in the table is measured from the upper side of the main keel.**