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| E&PNA is the Elements and Practice of Naval Architecture by David Steel, 1805. S.R. is the Shipbuilder's Repository 1788, author unknown | | | | | | | | | | | | |
| <i>Particulars of each Dimension or Scantling</i> | Of Three Decks | | -----Of Two Decks ----- | | | | | | | | Frigates | |
| | E&PNA | S.R. | E&PNA | S.R. | E&PNA | E&PNA | S.R. | E&PNA | S.R. | E&PNA | E&PNA | S.R. |
| | 110 guns | 100 guns | 98 guns | 90 guns | 80 guns | 74 guns | | 64 guns | | 50 guns | 44 guns | |
| LENGTH on the Gun Deck or Lower Deck from (SR- the aft side of) the rabbet of | | | | | | | | | | | | |
| the stem to (SR- the fore side of) the rabbet of the stern post | 193' 0" | 186'0" | 188' 8" | 177' 6" | 182' 0" | 176' 0" | 176' 0" | 159' 6" | 159' 6" | 146' 0" | 160 '3" <i>I</i> | 140' 0" |
| Length on the range of the deck | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Length from the forepart of the stem at the height of the hawse holes to | | | | | | | | | | | | |
| the aft part of the stern post at the wing transom | 196' 10" | 190' 2" | 192' 10" | 181' 8" | 185' 6" | 179' 5" | 179' 5" | 163'0" | 163'0" | 149' 0½" | 164' 3" | 143'3" |
| Length of the keel for casting the tonnage | 158' 10" | 153' 0½" | 156' 6" | 146' 6" | 149' 10½" | 145' 2" | 145' 2" | 131' 0" | 131' 0" | 119' 9" | 135' 3¼" | 115' 0" |
| Length for the foremost perpendicular to the center of the dead flat | 87' 8" | 93' 6" | 82' 8" | 77' 8" | 64' 0" | 66' 0" | 66' 9" | 66' 0" | 66' 0" | 67' 2½" | 70' 6" | 62' 8" |
| From the fore perpendicular to the foremost timber in dimensions or bodies | 14' 2¾" | 8' 11" | 7' 2½" | 7' 2½" | 4' 0" | 5' 6" | 6' 3" | 6' 0" | 6' 0" | 5' 5¼" | 3' 4" | 3' 9½" |
| From the aft perpendicular to after timber in dimensions or bodies | 5' 2½" | 4' 5" | 4' 4" | 4' 3½" | 3' 4½" | 4' 2" | 3' 7" | 7' 10½" | 7' 10½" | 5' 10¾" | 2' 2" | 4' 2½" |
| Length of the tread of keel - from aft side of the sternpost | | | | | | | | | | | | |
| to the for part of the fore foot | 177' 0" | 169'4" | 173' 0" | 162'0" | 164' 3" | 160' 5" | 160' 5" | 142' 0" | 142' 0" | 134' 0" | 148' 6" | 128' 0" <i>2</i> |
| Length extreme from aft side of taffrail at the height of the fife rail to the | | | | | | | | | | | | |
| fore part of the figure or stem | 233' 3" | ..... | 222' 9" | ..... | 217' 9" | 208' 6" | ..... | 189' 9" | ..... | ..... | 187' 0" | ..... |
| BREADTH - Moulded | 52' | 51' 3" | 49' | 48'4" | 49' | 48' | 48' | 43' 8" | 43' 8" | 39' 10" | 40' 0" | 37' 2" |
| Extreme (moulded breadth + planking) | 52' 10" | 52" | 49' 10" | 49' | 49' 8" | 48' 8" | 48' 8" | 44' 4" | 44' 4" | 40' 6" | 40' 8" | 37' 10" |
| Afterpart of wing transom from out to out of plank | ..... | 37' 4" | ..... | 33' 9" | ..... | ..... | 31' 1" | ..... | 30' 4" | ..... | ..... | 24' 10" |
| Of the stern at the height of the top timber line | | | | | | | | | | | | |
| from out to outside of the planking | ..... | 24' 6" | ..... | 23' 5" | ..... | ..... | 25' 0" | ..... | 20' 8" | ..... | ..... | 17' 6" |
| BURTHEN IN TONS Builder's Tonnage | 2358 | 2201 | 2067 | 1870 | 1966 | 1828 | 1828 | 1369 | 1369 | 1044 | 1189 | 880 |
| DEPTH IN HOLD, taken from the strake next the Limber strake | 22' 9" | 22' 3" | 21' 0" | 21. 0" | 21' 0" | 19' 6" | 19' 6" | 19' | 19' | 17' 6" | 13' 4" | 16' 4" |
| In the waste, in midships | ..... | 6' 9" | ..... | 6' 8" | ..... | ..... | 7' 6" | ..... | 6' 0" | ..... | ..... | 6'7" |
| LOAD DRAFT <i>Afore</i> | 23' 0" | 23' 0" | 22' 0" | 22' 0" | 22' 9" | 20' 3" | 20' 3" | 19' 4" | 19' 4" | 18' 0" | 18' 0" | 16' 10½" |
| <i>Abaft</i> | 24' 0" | 24' 0" | 23' 0" | 23' 0" | 22' 9" | 20' 3" | 20' 3" | 20' 8" | 20' 8" | 18' 9" | 18' 0" | 18' 1½" |
| MAIN KEEL sided 3 <i>Afore at the stem</i> | 1' 6" | 1' 6" | 1' 5" | 1' 5½" | 1' 4" | 1' 3" | 1' 3" | 1' 2" | 1' 2" | 1' 1½ | 1' 2" | 1' 1" |
| <i>Amidships</i> | 1' 9" | 1' 8" | 1' 8" | 1' 7½" | 1' 7" | 1' 6" | 1' 6" | 1' 5" | 1' 5" | 1' 4" | 1' 4" | 1' 3½" |
| <i>Abaft at the post or rabbet</i> | 1' 4" | 1' 2" | 1' 4" | 1' 1" | 1' 4" | 1' 3" | 11 ½" | 1' 2" | 1' 0" | 1' 1" | 1' 1" | 10" |
| <i>Deep</i> | 1' 9" | 1' 8" | 1' 8" | 1' 7½" | 1' 7" | 1' 6" | 1' 6" | 1' 5" | 1' 5" | 1' 4½" | 1' 6" | 1' 3½" |
| Number of pieces; <i>and not give less shift of the</i> | <i>seven</i> | <i>six</i> | <i>seven</i> | <i>six</i> | <i>seven</i> | <i>seven</i> | <i>five</i> | <i>6 or 7</i> | <i>five</i> | <i>six</i> | <i>six</i> | <i>five</i> |
| scarfs of the Kelson & mainmast than | 9' 0" | | 8' 0' | | 7' 0" | 7' 0" | | 7' 0" | | 6'0" | 6'0" | |
| Scarphs in length | 5' 0" | 5' 0" | 4' 10" | 4' 10" | 4' 8" | 4' 6" | 4' 8" | 4' 4" | 4' 3" | 4' 2" | 4' 0" | 4' 1" |

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| | -----Frigates----- - | | | | | | | | | | Sloop of War | 300 ton | Bomb Vessel | Brigantine | Cutter | 273 ton cutter |
|---|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|---------|-------------|------------|---------|----------------|
| | E&PNA | S.R. | E&PNA | S.R. | E&PNA | S.R. | E&PNA | S.R. | E&PNA | S.R. | | | | | | |
| | 38 guns | | 36 guns | | 32 guns | | 28 guns | | 24 guns | | | | | | | |
| A | | | | | | | | | | | | | | | | |
| | 141' 0" | 141' 0" | 137' 0" | 137' 0" | 129' 0" | 129' 0" | 120' 6" | 120' 6" | 114' 3" | 114' 3" | 108' 0" | 98' 5" | ..... | ..... | ..... | 78' 0" |
|  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 91' 6" | 78' 7" | 78' 0" | ..... |
| B | | | | | | | | | | | | | | | | |
| | 144' 8" | 144' 8" | 140' 8" | 140' 8" | 132' 9" | 132' 9" | 124' 0" | 124' 0" | 117' 7" | 117' 7" | 110' 0" | 101' 5" | 82' 6" | 80' 5" | 80' 6" | 80' 0" |
| | 116' 7" | 116' 7" | 113' 3" | 113' 1" | 107' 0" | 107' 0" | 99' 6" | 99' 6" | 94' 3½" | 94' 3½" | 88' 4½" | 83' 0" | 74' 1¾" | 60' 8" | 58' 6" | 58' 6" |
| C | 64' 0" | 64' 0" | 61' 7" | 62' 2" | 58' 4" | 58' 4" | 54' 6" | 55' 0" | 52' 3" | 52' 9" | 44' 3" | 36' 3" | 36' 3" | 34' 5" | 32' 7" | 32' 7" |
| D | 4' 5" | 4' 5" | 3' 8½" | 5' 2" | 5' 8½" | 5' 8½" | 5' 0" | 5' 0" | 5' 0" | 5' 0" | 4' 1" | 4' 3" | 4' 9" | 2' 9" | 4' 9" | 4' 9" |
| E | 2' 11" | 2' 11" | 2' 10" | 2' 10" | 4' 2" | 4' 2" | 2' 0" | 2' 0" | 2' 6" | 2' 6" | 2' 9" | 2' 2" | 3' 7" | 4' 6" | 6' 1" | 2' 6" |
| G | | | | | | | | | | | | | | | | |
| | 132' 0" | 132' 0" | 126' 2" | 128' 0" | 119' 2" | 119' 8" | 111' 6" | 111' 6" | 105' 0" | 105' 0" | 97' 1" | 92' 0" | 82' 6" | 66' 1" | 63' 0" | 63' 0" |
| | | | | | | | | | | | | | | | | |
| I | 167' 0" | ..... | 161' 9" | ..... | 150' 0" | ..... | 140' 6" | ..... | 134' 3" | ..... | 126' 0" | ..... | 106' 0" | ..... | 88' 0" | ..... |
| J | 38' 4" | 38' 4" | 37' 6" | 37' 6" | 34' 10" | 34' 10" | 33' | 33' | 31' 6" | 31' 6" | 28' | 25' 9" | 27' 0" | 24' 7" | 29' 3" | 29' 3" |
| K | 39' | 38' 10" | 38' 2" | 38' | 35' 4" | 35' 4" | 33' 6" | 33' 6" | 32' | 32' | 28' 6" | 26' 2" | 27' 6" | 25' 0" | 29' 8" | 29' 8" |
| L | ..... | 22' 4" | ..... | 23' 0" | ..... | 23' 3" | ..... | 20' 6" | ..... | 19' 6" | ..... | 12' 8" | ..... | ..... |  | 16' 2" |
| M | | | | | | | | | | | | | | | | |
|  | ..... | 21' 0" | ..... | 19' 6" | ..... | 2' 0 7" | ..... | 18' 4" | ..... | 17' 8" | ..... | 10' 4" | ..... | ..... | ..... | 11' 4" |
| | 943 | 935 | 877 | 868 | 710 | 710 | 594 | 594 | ..... | 513 | 392 | 300 | 298 | 201 | 273 | 273 |
| N | 13' 6" | 13' 6" | 13' 4" | 13' 3" | 12' 7" | 12' 7" | 11' 0" | 11' 0" | 10' 3" | 10' 3" | 8' 3" | 10' 7" | 12' 1" | 11' 0" | 11' 1" | 11' 1" |
| O | | 6' 10" | ..... | 6' 9" | ..... | 6' 9" | ..... | 6' 6" | ..... | 6' 0" | ..... | 4' 10" | ..... | ..... | ..... | 4' 3" |
| P | 17' 7" | 17' 7" | 17' 4" | 17' 2" | 16' 7" | 16' 7" | 15' 6" | 15' 6" | 14' 6" | 14' 6" | 13' 0" | 11' 0" | 12' 3" | 9' 0" | 10' 10" | 10' 10" |
| Q | 18' 8" | 18' 8" | 18' 4" | 18' 1" | 17' 7" | 17' 7" | 16' 6" | 16' 6" | 15' 4" | 15' 4" | 13' 0" | 12' 3" | 12' 3" | 11' 6" | 10' 10" | 10' 10" |
| R | 1' 2" | 1' 1½" | 1' 2" | 1' 0" | 1' 1" | 10½" | 1' 0" | 9½" | 11½" | 9½" | 11" | 9" | 11½" | 8" | 8" | 8" |
| S | 1' 4" | 1' 3" | 1' 4" | 1' 3" | 1' 3" | 1' 2" | 1' 2" | 1' 1½" | 1' 1" | 1' 1" | 1' 0" | 1' 2" | 1' 1" | 1' 0" | 1' 1" | 1' 1" |
| T | 1' 1" | 11½" | 1' 1" | 1' 0" | 1' 0" | 10½" | 11" | 9½" | 10½" | 9½" | 10" | 9" | 9½" | 7" | 7½" | 8" |
| U | 1' 6" | 1' 3" | 1' 6" | 1' 3" | 1' 4" | 1' 2" | 1' 3" | 1' 1½" | 1' 2" | 1' 1" | 1' 0" | 1' 2" | 1' 1" | 1' 0" | 1' 1" | 1' 1" |
| V | six | five | six | five | six | five | 5 or 6 | five | five | five | five | four | three | four | three | three |
| W | 6' 0" | ..... | 6' 0" | ..... | 5' 6" | ..... | 5' 6" | ..... | 5' 6" | ..... | 5' 0" | ..... | 6' 0" | 5' 0" | 5' 0" | ..... |
| X | 4' 0" | 4' 2" | 4' 0" | 4' 0" | 3' 10" | 3' 11" | 3' 8" | 3' 6" | 3' 6" | 3' 5" | 3' 4" | 3' 6" | 3' 6" | 3' 4" | 3' 2" | 3' 2" |
| Y | | | | | | | | | | | | | | | | |