

them, and then a distance of four feet will be allowed, and no butts to be on the same timber, unless there be two streaks between them.

#### BUTT BOLTS.

Vessels of 200 tons and upwards, must be butt bolted with a bolt through the next timber to the butt, and clenched.

#### BEAM FASTENINGS.

The deck frame may be either with or without carlins. When with carlins, it must be secured to the side by two lodging knees and one diagonal or hanging knee at each end of every beam. When without carlins, there must be one lodging knee and one diagonal or hanging knee to the end of every beam. Vessels not exceeding 200 registered tons, are exempted from using diagonal or hanging knees, provided they have instead, thereof, a heavy shelf-piece, or stringer, well fastened with a clench bolt through every frame, and also well bolted to the beams. Chocks between beams as a substitute for knees, are not admissable in vessels classing A, 1.

the same manner.

#### KNEES.

The siding of knees to be three-fourths the thickness of the beam they secure, and to have a bolt at every ten inches; the bolts in the arms must be through bolts.

#### CENTER BOARD.

The head ledges to center-board cases, in vessels of 300 tons register, shall not be less than 7 x 10 inches; the center-board six