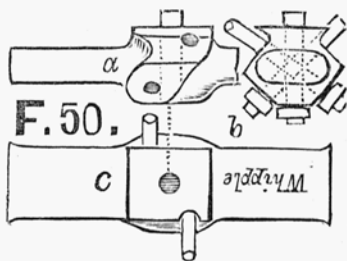


centre of truss, each pair of Links, having the ends toward the centre, upon the outside, near the ends of the Connecting block.

The middle part of the block, is cast with the proper size and form for the Upright and Diagonals to pass through in the required directions, & is provided with suitable facets for the bearings of nuts. In F. 50, *a b* & *c* respectively represent a side, end, and top view, of a Cast iron Connecting block.

The parts of the block near the ends, where the links go on, are of an oblong section, and should have a thickness vertically, not less than $1\frac{1}{2}$ times the diameter of the link iron; and a horizontal width, $3\frac{1}{2}$ or 4 times that diameter; so as to have a cross-section from 6 to 7 times as great as one side of the Link. The Rules before given as to the Transverse strength of Cast iron, will enable the proper proportions to be given to these parts.



In Arch trusses exceeding 50 or 60 f't in length, the two longest uprights are usually made double; being united and terminated with a single screw & nut at the top, like the single upright, and diverging downward at an angle of about 10° , to the connecting block, which the two branches pass through