are composed of two or more pieces. When of two pieces, they may be connected by flanges and bolts at the centre, where they should have a diameter of about \( \frac{1}{5} \) of the length, and a cross-section determined by the maximum stress, and the power of resistance of the material, as indicated in the table [xiii.]

The upright may taper from the centre to either end to a diameter of 5 to 6 inches, internally. The lower end is to stand upon a properly formed seat (\( a \), Fig. 37), upon the connecting block of the lower chord, and may have an opening at the bottom, upon the inserside, where the beam may enter and rest upon a seat (\( e \)), inside of the upright, upon the connecting block. The strength destroyed by this cutting the post should be restored by additional metal in a band or collar (\( c \), Fig. 37), around the opening, and, if necessary, by the wing flanges \( d, d \), extending 6 or 8 inches above the opening. To avoid too much cutting of the post, the flanges of the beams may be reduced to 3 or 3½ inches in width. The post and beam seat upon the connecting block may be elevated 3 or 4 inches above the links, as may be required, so as to allow sway rods to pass through with simple screws and nuts for adjustment; thus dispensing with turnbuckles.