and fitting corresponding notches in the posts. A brace connects the top of one post with the bottom of the one adjacent by a suitable joint (these braces are in pairs). A counter brace is placed crosswise between the two braces and their post, with its ends abutting again at the centre beam of the upper and lower chords. The counter braces are further connected with the posts and braces by treenails. As before stated, wood is frequently used together with iron in bridge structure. It is then used for compression pieces. The crushing