The crossings of diagonals between chords, may be secured by 5-8th or 3-4 inch bolts, with suitable washers, instead of plain pins, which in this case, would not secure the double thrust diagonals from spreading, under the crushing force.

The main connecting bolts at the chords, being required rather to withstand a lateral than a longitudinal strain, will not require heads and nuts of more than half the usual thickness; and, where a connection requires more than two, the middle one may be a simple iron pin, without head or nut.

Bolts should have washers with ample surface, at each end, and be well covered with linseed oil before insertion; and, it might not be amiss to swab the holes with oil, thus hardening the grain of the timber at its contact with the bolts.

In this, as in all other plans of bridging, much depends upon thorough provision for preserving the vertical and longitudinal rectitude of the structures. But as this plan presents no striking peculiarities in this respect, the subject need not be now enlarged upon.

Now, having, as may be hoped, obviated some of the crudities which might seem to have been shewn in the original presentation of this plan, I will close my present allusions to it, by a brief notice of a few of the structures which have been erected, embracing the distinctive characteristics exhibited in Figs. 34, 35, & 37.