About the year 1849, (20 years ago,) two considerable bridges were erected upon the plan in question, one over the Mohawk River near Schenectady, and the other, over the West Canada Creek, a mile or two below Trenton Falls.

The former was in two spans, of 205' & 212' in length, respectively; as nearly as can now be recollected. The ratio of length to depth of truss, was as 1 to 12; the proprietor objecting to a greater depth of trusses, — fearing the effects of wind, &c.

The trusses were of pine, except the upper chords, which unfortunately, were hemlock; and composed of one course of 6 × 12 inch timbers, (to each half-chord,) increased toward the centre by a course on the insile, beginning about 20' from the end, with a thickness of 2'', and increasing to 4 or 5'' at the centre; also, by a 3'' course upon the outside, for one third of the length of span; thus making the aggregate section of chord, 12'' × 12'' at the ends, and 12 × 26 or 28 in the middle.

The lower chord had a section of 14'' × 12'' at the ends, and 14 × 32 in the middle, while thrust diagonals (in pairs) were 3 × 5 inches in the middle of the truss, and 5 × 6 at the ends, (not including the main end braces, which were 9 × 10 inches,) and tension diagonals, 3'' × 9'' in the middle, increasing to 5 × 12 at the ends of the truss.

The main connecting bolts were two at each node, increasing from about 1½'' in diameter in the middle of the truss, to 2½'' at the ends.