PLATE AND CHANNEL ARCH BRIDGE.

THIS plan is specially adapted to spans of 90 to 140 feet, and with some modifications can be advantageously used down to 50 or up to 200 feet and over. It is built with eye bar chords, planed arch sections, drilled posts, turned chord pins, and iron floor beams suspended at panel points, thus making the mechanical work as exact as in Truss Bridges. The whole bridge is accessible for painting on both outside and inside surfaces.

The Lattice Posts, whether made of Star, Angles or Tees, are covered by patents owned exclusively by this Company, and all other makers or users will be held liable for damages.

We also build the Column and Channel Arch Bridge, of which we erected over 12 miles, from 1870 to 1879, in spans of all lengths, from 50 to 265 feet, (the latter being the longest Bow-string Arch bridge in this country) which is admitted to be the strongest form of arch ever built.