TRUSS BRIDGES.

The following description of what is known as the "McCALLUM INFLEXIBLE ARCHED TRUSS BRIDGE," is given at the solicitation of a number of gentlemen of the engineering profession, to whom the writer has had the honor of explaining it verbally, with the aid of illustrative models and drawings, and has been deferred until this time in consequence of other engagements, and also, that sufficient time might elapse to test practically, and prove beyond a reasonable doubt, the correctness of the theory involved in its combination and arrangement.

In attempting to explain this peculiar form of truss, the writer would, at the outset, disclaim all desire to undervalue or disparage the merits of any other plan of bridge in use, as each has its advocates, and all possess more or less merit. Inasmuch as no arrangement can be absolutely perfect, nothing more is claimed for the "Inflexible Arched Truss," than that its combination approximates nearer to the standard of a perfect structure, than any other plan of which the writer has any knowledge.