TO THE PUBLIC.

An experience of nearly a quarter of a century in constructing and reconstructing railway bridges under the most difficult circumstances, and the observations of a professional career extending over a much longer period, having convinced the subscriber, that there are more errors in bridge architecture from the employment of elements which are superfluous and deranging, than from the lack of those which are sustaining and reciprocating, a series of experiments was instituted, extending through several years, under circumstances favorable to obtaining reliable data for the purpose of establishing principles which were not generally admitted; and which have resulted in the “Isometrical Bridge Truss,” herewith submitted, for which a patent has been obtained. The review, by Mr. Charles Macdonald, civil engineer, of the principles, both mechanical and economical, which are involved, will be found not only interesting to the professional reader, but also useful to bridge builders at large.

A company, composed chiefly of the younger members of the profession, has been formed for the purpose of introducing the new system into use; and as it