

coming upon the front edge of a projecting coping, would have a tendency either to detach the coping, or pull over the pier ; and he gave the Committee a beautiful illustration of his idea, by placing a book in a projecting position over the side of the table at which we were sitting, and showing how easily it could be tipped over, by the least pressure upon its outer or projecting edge."

" Upon being asked by Colonel Wm. Rhodes, the President of the Company, whether in re-constructing the Jacques Cartier Pier, Mr. Light would kindly suggest some means of obviating the objections which he had previously made to its being founded on solid rock ; Mr. Light, without suggesting any present means that had occurred to him, for obviating that difficulty, referred the President to Railway experiences in England, where it had been found necessary to substitute wood for st foundations under the rails, in order to avoid "the shattering effects of passing trains."

Having thus freely exchanged views with all parties interested, another and final effort was made, on the 13th March, 1875, by the Government and City Engineers, to perfect a standard for the road ; which effort proved so far successful, that it was finally assented to by the Railway Company and the Contractor. And the same standard was afterwards incorporated into the present Government contract, as an *Addendum* to the General Specifications, and "*Circular No. 2,*" which were prepared by myself, and were in force under the original contract.

A comparison between the General Specifications (as explained and enforced in "*Circular No. 2,*") and the Government standard above referred to, will show that the