

making up the Returns of the Earthwork for the Monthly Estimates, where expedition with accuracy is so necessary.

To Sub-Contractors on the work, this Series of Tables will be invaluable, from the fact, that it will enable them to do what they would otherwise have to employ an Engineer to do for them.

The second Series of Tables was calculated *first*, and the first Series by aid of the second.

The second Series embraces eight Tables, with the same Bases and Slopes as those in the first, and calculated from one-tenth of a foot up to 30 feet, both for cuttings and embankments, but they are not calculated according to the Prismoidal Rule, because the quantities exhibited by the second Series are only for level cuttings or fillings having the same height or depth at the opposite ends of each one hundred feet station. If it is thought necessary, the calculations by these Tables may be carried out to a much greater degree of nicety by applying the Prismoidal Rule to the quantities given by the Tables, which are for every tenth of a foot, whereas the first Series is calculated for even feet only.