DESCRIPTION OF THE BRIDGE.

After years of anxious expectation, financial embarrassment and persevering toil, the projectors of the Covington and Cincinnati Suspension Bridge behold it spanning the Ohio River in complete and glorious beauty. It is known as the longest and most perfect Wire Suspension Bridge in the world; and there exists in the public mind a laudable and increasing desire to become acquainted with the dimensions in detail, and the minor points of construction of this great triumph of engineering skill and executive mechanical ability.

The writer, for more than two years, had charge, under Mr. Roebling, of an important part of the work, and feels confident he can satisfy this desire by the publication of a complete and reliable description, such as will be found in these pages. He does this more particularly for the information of parties who often come from a distance, to view this great connecting link between the North and the South, and who have not witnessed its progress from day to day, and thus become familiar with it. They will here find answers to most of the questions which they might and do ask concerning the work, without, however, always obtaining satisfactory replies. We shall confine our description more especially to practical, mechanical details, not likely to find a place in the scientific report of the engineer, for the information of those to whom such a report might not be accessible.

The reader will here find a description of the Anchorages and the Towers; the Foot Bridge; the manner of preparing the Wire and making the Cables; the Suspenders, Stays and Braces; the Superstructure, including the Iron Beams, the Girders, Railings, and the Floor, with many minor interesting items.

The Covington and Cincinnati Suspension Bridge Company was originally incorporated by the Legislature of Kentucky, in 1846, and by the Legislature of Ohio, in 1849, with