NIAGARA SUSPENSION BRIDGE.

The above sketch represents the great International Bridge, which spans the Niagara, and joins the United States with Canada. Its length, from tower to tower, is 821 feet 4 inches. Erected at a cost of about $400,000 (£80,000 stg.). The lower floor or road-way is used for foot passengers, carriages, carts, etc., same as any ordinary road. The upper floor is for railroad traffic exclusively. Across this bridge, the trains of the Great Western Railroad of Canada and the various railroads of New York State, travel, each train drawn very slowly, by a light pilot engine.

From a report, by Mr. Roebling, Engineer, on this gigantic structure, we copy the following particulars:—

"The base and towers on the New York side, contain 1350 cubic yards, which weigh about 3,000 tons. Add to this weight of the superstructure of 1,000 tons, and we have a total of 4,000 tons, in a compact and solid mass.

"There are 4 cables of 10 inches diameter, each composed of 3640 wires of small No. 9