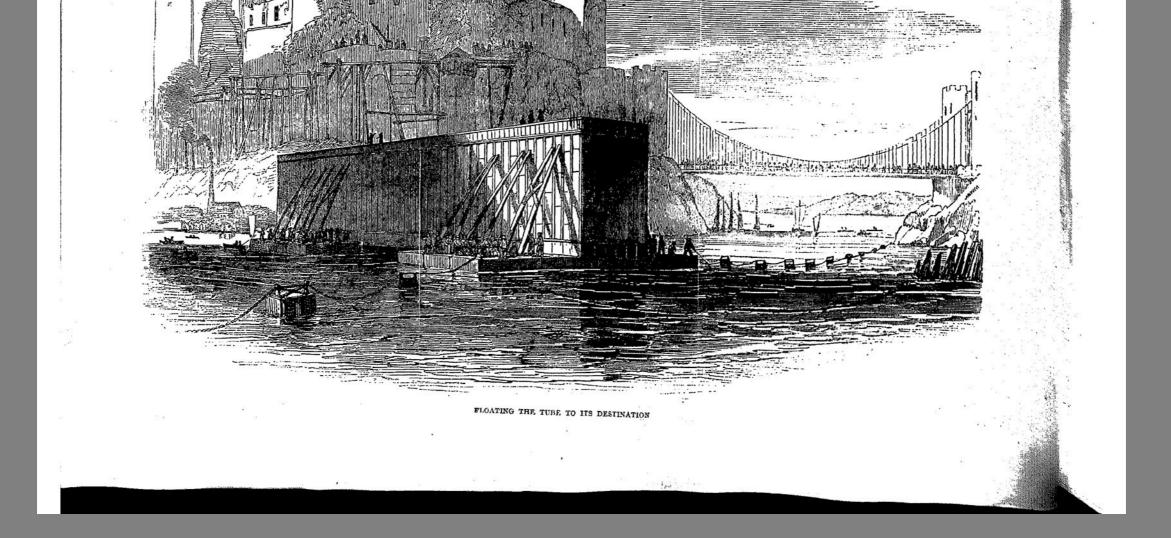


THE IRON TUBE ON THE PLATFORM ON WHICH IT WAS BUILT.

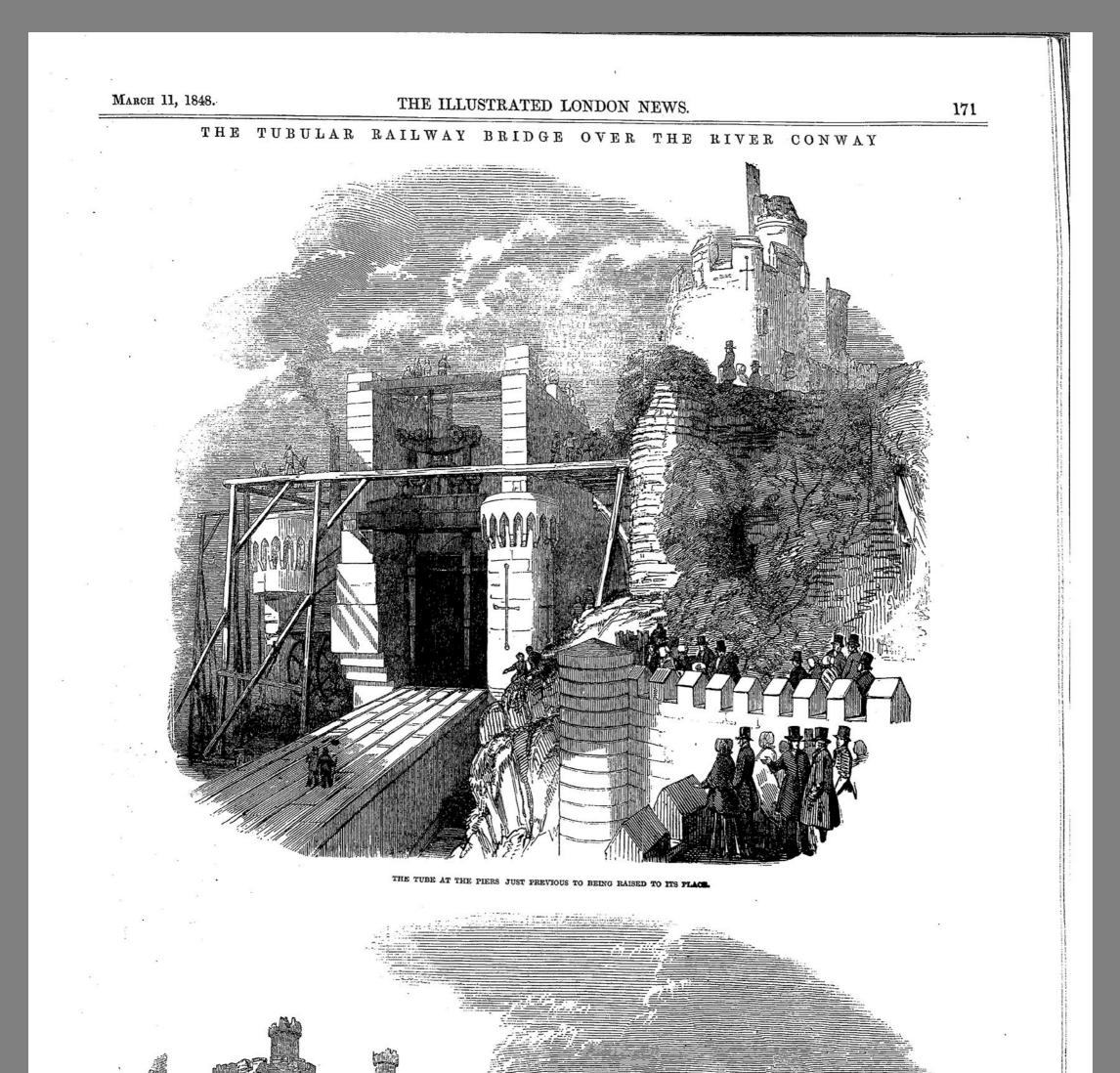
The Tubular Bridge, which is constructed to carry the Chester and Holyhead line of railway over the river Conway, is one of the most unique examples of engineering skill ever imagined or carried into exe-cution. Though inferior in length and weight to the Britannia Tubular Bridge, now in course of erection over the Menai Straits, for the same railway, yet, being built on precisely the same principles, and raised to its destined site by the same power, it may, from the circumstance of its being the *first* erected, be deemed a *first* idea, to be carried out in its fullest extent in its mighty contemporary. As the floating and erecting this singular construction is a most important event in engineering annals, fraught with interest to the scientific world, and wonderful to the unscientific, we have devoted some space to its complete illustration. We are happy to add, that on Monday last the labour of raising this vast tube was very nearly accomplished. The tube, which at first was resting on part of the platform on which it was built, was raised eight inches by pumping the water out of the pontoons, which had been placed under it. At about eleven (the tide still on the flow) the whole fabric was got under weigh, and slowly drawn down by means of hawsers at-tached to various convenient places, and worked by capstans, until it arrived within a few feet of its proper position at the north side, and in its right position at the south, or Convay side, when, owing to the pon-foons on that side touching the bottom, it could be got no farther, and, the tide receding, the tube was left unsupported on the two temporary stome-beds, built inside the abutments. With this single, and, indeed, tivial, exception, the whole operation was performed in a most satisfac-tory munner, and the tube will, doubtless, be in its place in the course

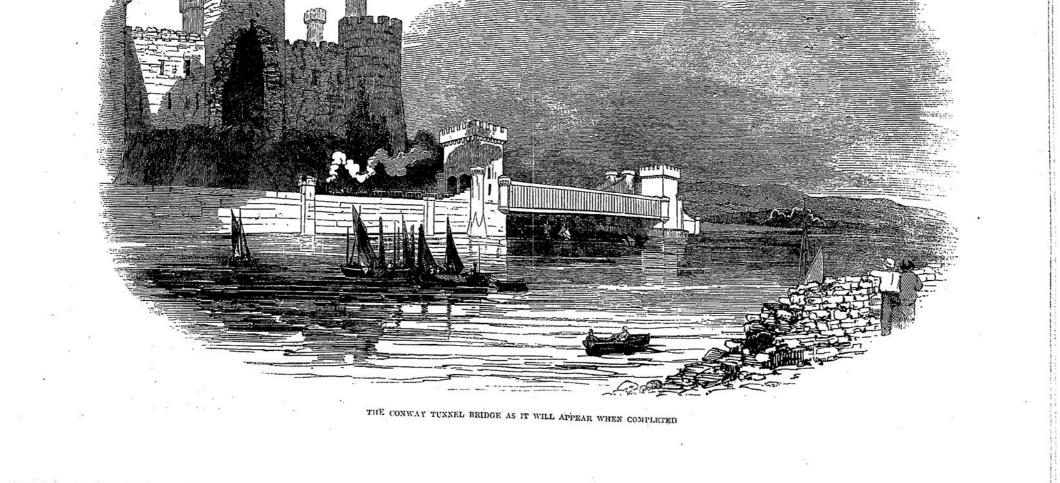
of the week. Standing on the tube were Messrs. G. and R. Stephenson, Mr. Brunel, Mr. Rendel, Mr. Fairbairn, Mr. Bidder, Mr. Frank Forster, Captain Claxton, Captain Moorsom, and the contractor, Mr. Evans. At the conclusion, three hearty cheers were given by the workmen and spectators, Captain Claxton giving the signal, and finishing by smash-ing his speaking-trumpet, and pitching it into the Straits. A great number of professional gentlemen were present to witness this great en-gineering work.

Mr. Brunel, Mr. Rendel, Mr. Fairbairn, Mr. Bidder, Mr. Frank Forster, Captain Claxton, Captain Moorsom, and the contractor, Mr. Evans. At the conclusion, three hearty cheers were given by the workmen and spectators, Captain Claxton giving the signal, and finishing by smashing by smashing by smashing by smashing by smashing work.
The tube was floated to the piers on six huge pontoons, three at either end, constructed near the spot where the tube was erected; and in the tube rested upon the platform where it was built, sorthy constructed near the spot where the tube was erected; and in the tube rested upon which the tube rested at either end for that purpose; but as the tide rose, the portoons are 100 feet in length, 25 feet in width, and 10 feet high.
The pontoons were floated under the platform ownich the tube rested at either end for that purpose; but as the tide rose, the port of the front generance of the tube nessed on the persanent piers.
In our view of the floating the tube, the buoys are shown which were fixed in the stream to guide the mighty fabric in its course; and the spearance of the tube on its pontoons, shored up to steady it, forma and impressive picture.
The bridge had not been lifted to its place at the time of our going in the stream to guide the mighty fabric in its course; and the tube on its pontoons, shored up to steady it, forma at the time; but through the kindness of R. Stephenson, Esq., the stream of the tube restled and held in the right and the inter places will also water; in the stream to guide the mighty fabric in its course; and the tube rost of the stream to guide the mighty fabric in its course; and the tube rost of the tube, the buoys are shown which were singular and impressive picture.
The bridge had not been lifted to its place at the time of our going in the stream to guide the mighty fabric in its course; and the port of the stream to guide the mighty fabric in the stream to guide the mighty fabric in its course; and



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