

THE ATLANTIC TELEGRAPH—THE "AGAMEMNON" ON HER BEAM ENDS.

and not without; thus leaving nothing to be hauled up but the light rod, at whose extreme the armature holds a sample of the bottom. With this contrivance specimens of bottom have been obtained from a depth of more than two miles. The ocean is nowhere on the plateau deeper than 12,000 feet, which at its side soundings have been obtained of 24,000 feet. The surface of the plateau is now thoroughly and faithfully mapped out, from Lieutenant Berryman's survey.

It will be noticed that the sketches of the plateau and ocean bed are not mathematically correct; that the depth of the water, in both, is out of proportion

to the length of the scene represented; that the water-line is represented as straight, whereas it is a curve, etc. It was impossible to avoid these inaccuracies. To be mathematically correct, a plan representing a section of the telegraphic plateau, in which the water-depth at the deepest part was given as half an inch, would have required to be at least 33 feet long: on the scale on which the water-depth is depicted above, the picture, to be correct, ought to be over 100 feet long. We trust that this inaccuracy will not prove more deceptive to our youthful reader than those equally inaccurate but delightful scientific toys called orreries.

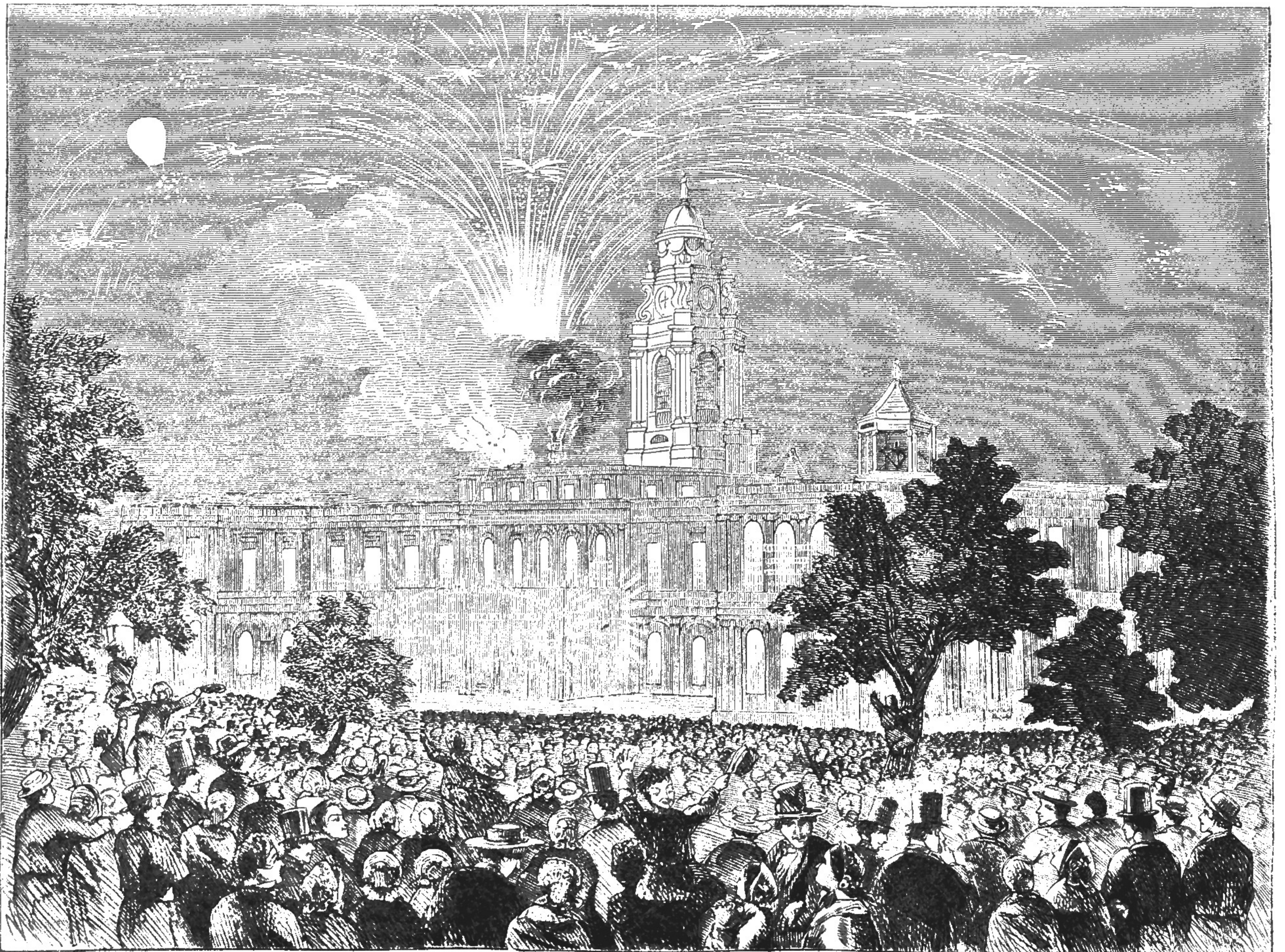
THE "AGAMEMNON" LAYING THE CABLE.

The illustration given above depicts the *Agamemnon* in the terrible storm she encountered in laying the cable. How severe the gale was may be inferred from the following telegram from Valentia to the *London Times*:

"From the time the *Agamemnon* left Queens-town, on the 18th of July, until she joined the rest of the squadron at the rendezvous in mid ocean on the 29th, she experienced a continued succession of heavy winds. The splice was successfully made

on the afternoon of the 29th, and the ships started toward their several stations. On the evening of the same day a breach of continuity occurred in the cable which lasted one hour and a half.

"The ship was stopped and the machinery repaired, though not till hopes of holding on the cable had been abandoned. During Friday it blew a head gale of wind, against which the ship, under her full steam, could hardly make way, even with yards and topmasts struck. On Saturday, the 31st, the wind shifted round to the southwest, and during that day, Sunday, Monday, and Tuesday, it continued to blow hard, with frequent vio-



THE ATLANTIC TELEGRAPH—FIRE-WORKS AT THE CITY HALL IN COMMEMORATION OF THE LAYING OF THE CABLE.—[SEE NEXT PAGE.]