A LEVIATHAN INDEED.

(From Dicken's Household Words.) Ws are in the habit of making eccesion arine excursions to Woolwich, by Water umber One to Six inclusive. Sometimes, marine excursions to wolwich, by Waterman Number One to Six inclusive. Sometimes, on a bright sunny day we extend our aquatic trips as far as Erith or Gravesend, where, doubtless, many of our readers accompany us. Like us, they will not fail to have noticed an indifferent-looking, half-occupied spot of land jutting into the river opposite Greenwich, known as the Isle of Doga, but having no sort of connection with Barking Creek.

Scattered over this island, at irregular distances, are factories, shipyards, store-houses, and timber-

Scattered over this island, at irregular distances, are factorice, shipyards, store-houses, and timbersheds, all unmistakable enough in character. There is one object, however, which has perplexed us not a little—a huge metallic erection, on which may be seen employed any day in the working week, hundreds of busy craftsmen, clustering, and humming, and buzzing about it like flies around a sugar hogshead.

It has puzzled a good many aquatic travellers besides the writer. We have heard scores of guesses made by wondering passengers on board Waterman Number Twe, perfectly at variance with the opinions of those on board Waterman Number Four. Some have not the slightest doubt as to its being a new sort of gasometer for

with the opinions of those on board Waterman Number Four. Some have not the slightest doubt as to its being a new sort of gasometer for supplying London with pure gas. Others believe it to be a pile of fireproof warehouses, on the Milner Safe principle, for the better custody of the national state papers and crown jewels. By some, it is said to be an enormous oven for baking bread and roasting coffee for our troops in the Crimea. One or two have heard en goud authority that it is intended for Wombwell's menagerie, to be moved on a hundred wheels. Others, again, have the firmest belief in its being an iron incarnation of Lord Dusdonald's mysterious plan for destroying Cronstadt and Sebastopol.

Now, it happens that none of these opinions are correct. Not one of the many guessers have ever dreamed of this object being the mid portion of a ship, which we have since learned is really the case. A ship! Talk of the Great Harry or the Great Britain, or any other great craft of the middle age or modern period! They shrink into utter insignificance by the side of our metal monster of the lale of Doga.

The wooden walls of old England are fast becoming myths of a by-gone age, embalmed in the ballad-poetry of Dibdin. They have given place to the iron-sides of young Britain. Canvass has yielded the palm to steam; and paddle-wheels in their turn are shaking their bearings in auxiliary fear of screws.

It is not so many years ago, but we remember it, that when a steamer of three thousand tone was first placed on the North American line, one n greatest scientific authorities predicte of our then greatest scientific authorities predicted certain failure: it was hinted in a friendly way to passengers proceeding by her to the United States, that they had better insure their lives and make their wills before leaving the country. The ship was said to be too long for a heavy sea; she would break her back from the excessive weight of machinery in her centre, and would inevitably encounter a variety of other unpleasant contingencies. But, people remembaged that similar failure was predicted thirty years before that time, when the first steamers plied between London and Calais. The General Steam Navigation Company nevertheless prospered, and so gation Company nevertheless prospered, and so likewise have the American lines prospered; for one of which there are at the present moment iron steamers building on the Clyde larger than

any yet affoat.

The huge fabric erecting at the Isle of Dogs, as yet bears no resemblance to any known kind as yet bears no resemblance to any known kind of craft. At a distance, the eye is unable to detect any particular proportions about it, and if we were to be pressed on the point, we should say that it had no shape at all. A closer inspection, however, shows a line of uprights at each end, which mark the shelving proportions of stem and stern, and then one can perceive that the object before us is really intended for a ship.

Standing on the banks of the river Thames, with a year open space on one side and Greenwich.

Standing on the banks of the river Thames, with a vast open space on one side and Greenwich Hospital on the other, it is not easy to form a just conception of this marine monster, which, for want of a better name, we call the Leviathan. It is being built by Scott Russell and Company, from designs by Mr. Brunel, the engineer, whose conception the entire fabrice is. When we remind our readers, that the Royal Albert line of battle ship, of one hundred and twenty supparts. battle ship, of one hundred and twenty guns, is something under four thousand tons, and about two hundred and twenty feet in length; and that the Simla and Himalaya, at present the largest steamers affect, are only three hundred and twenty feet in length, or thereabouts; they may Steam Navigation Company's ship, when they are told that it will be six hundred and eighty feet in length and of twenty-five thousand tone burthen; in-other words, of more than six times the capacity of our largest men-of-war, and above

the capacity of our largest men-of-war, and above-double the length of the largest steam-ship affoat. Our readers will have frequently heard discus-sions as to the relative merits of paddles and screws. In the Leviathan, the acrew will be combined with the paddle, worked by engines nominally of two thousand six hundred horse power, but in reality capable of being worked up to ten thousand horse nower. To guard against to ten thousand horse power. To guard against accidents at sea to machinery, and to prevent any detention from such a cause, the paddle-wheels

will set only be perfectly distinct from each other in their working, but each will be set in motion by several sets of machinery of superabundant power, so that at all times derangements or cleaning of one or two cylinders or boilers will not interfere with the progress of the ship.

Steam will be the sole propelling power, no canvass being contemplated in this vessel. In fixing the great size of the Leviathan, its projector believes that he has obtained the elements of a speed hitherto unknown in ocean-going steamers, it is confidently predicted that by the great length of the Leviathan, she will be enabled to pass through the water at an average speed in all weathers of fifteen knots an hour, with a smaller power in propertion to founge, than ordinary vessels now require to make ten knots. The contract speed of most ocean mail-carrying steamers is eight knots.

We believe that the Eastern Steam Navigation Company intend making their first voyage to

Company intend making their first voyage to Australia. The actual distance from Milford

and steerage passengers would be placed, without nearly as much crowding as in an ordinary

passenger or emigrant ship.
Large indeed must that steamer be, which can provide a main-deek saloon sixty feet in length, and forty in width, and fifteen in height: with a second-class saloon only twenty feet shorter, and a foot or two less in height. The Leviatkan has these, and they appear but as small compartments of the huge interior.

It would prove a fortunate circumstance for our military authorities, who are so much in want of steam transports to the seat of war, if this monster ship were ready for sea at the present moment. There are just now two divisions of the French army, of ten thousand men each, ready to be conveyed to the scenes of their future

much greater cost than was required for the one regiment conveyed through Egypt.

Had the old system of ship-building still prevailed with regard to seagoing steamers,— had our shipwrights worked on the wooden-wall principle instead of the plate-and-rivet method, we should never have possessed such noble steamers and the same outly not large commercial companies. Certain it is that the Leviathan could not have been built, on the wooden systems. The mightiest giants of Indian forests, of fabulous age, in countless numbers, would not have sufficed to produce a ship, of half her size. Strength enough could not have been obtained by a set of maps and a copy of sufficed to produce a ship, of half her size. Strength enough could not have been obtained with the most ponderous masses of timber-work, braced as they might have been with iron and copper, to have floated so mighty a load of carge, machinery, and living beings. Yet the monster of which we are now writing, so new in its various appliances of power, so wonderful in its anchinery, and living beings. Yet the monster of which we are now writing, so new in its various appliances of power, so wonderful in its various appliances of power, so wonderful in its in the peculiar structure of the hull. It is built throughout, in distinct compartments, on the principle of the Britannia Tubular Bridge, and when finished will be in fact a huge tubular ship. The principles of that structure need not here be whole of this vessel will be divided into ten huge, water-tight compartments, by means of ironplate bulkheade carried up to the upper deck,

We believe that the Eastern Steam Navigation We believe that the Eastern Steam Navigation Company intend making their first voyage to Australia. The actual distance from Miford Haven, the company's starting-point, to Port Philip, is less than twelve thousand miles, if no ports be tonched at. A speed of fifteen knots or miles an hour averaged from land to land would take the Leviathan to the golden colony in about thirty-two days. This can only be accomplished, a great at that high speed, by avoiding all stoppages for coals, which, besides detaining a ship many days in the different ports, carries her a great distance out of the direct steaming course. Here we find another novelty brought to bear by Mr. Pursel. A ship of this huge capacity can earry twelve thousand tons of coals: quite sufficient, it is estated, for her consumption on the outwarf to the third of the coals of the coaling as the

Such is the Leviathan. She is to be launched, unlike any other ship, broadside on to the water by means of hydraulic power, and early in next apring, is expected to make a trial trip to the United States and back, in less than a fortnight. In contemplating this Brobdignag vessel, our small acquaintance with things nautical, dwarfs down to Lilliputian insignificance. Before reaching the Isle of Dogs, we had imagined that we possessed some acquaintance with ship-building possessed some acquaintance with ship-building and marine engineering. One of the Leviathan cylinders was sufficient to extinguish our pre-

With a Brunel for designer; with a Stephenson for approver; a Scott Russell for builder; with for approver; a Scott Russell for builder; with Professor Airey in charge of the compasses, and Str W. S. Harris looking after the lightning conductors; the Leviathan may well be expected to turn out the floating marvel of the age. Fancy the astonishment of the South Sea islanders when they behold her, rushing past their coral homes!

THE U. S. ARCTIC EXPEDITION.

TO THE MEMORY OF

FRANKLIN,
CROZIER, FITZJAMES.

AND
all their gallant Brother Officers and faithful
companions who have suffered and
perished in the cause of THIS TABLET

ERECTED RECYED
near the upot where
they passed their first Arctic winter, and whence they issued
forth to conquer difficulties or to die.
It commemorates the grief of
seir admiring countrymen and friends and the
anguish subdued by faith, of her who had
lost in the heroic leader of the
Expedition the most devoted
and affectionate of
husbands.

And so He bringelh them into the Haven where they would be. 1855.

This stone has been intrusted to be affixed in its place by the officers and crew of the American Expedition, commanded by Lieut. Hartstein, in search of Dr. Kane and his companions.

Dr. Edward Kane left the U. States in the first expedition which sailed from that country in search of Sir John Franklin and his missing companion. Kene returned unsuccessful has

pr. Edward kane left the U. States in the first expedition which sailed from that country in search of Sir John Franklin and his missing companions. Kane returned unsuccessful, but not hopeless, and owing to his exertions, aiding the promptings of a humane heart, Grinnell was induced to again fit out the Advance, and send her on another mission of philanthropy and scientific discovery. The Advance sailed in 1853, under the command of Dr. Kane, having sixteen men for a crew. He has been absent since that time; and when the harrowing narrative of Dr. Rae, respecting the ultimate fate of Franklin was published, a feeling of universal alarm for his safety was at once exhibited, which has been extending daily up to the present period. Capt. Collinson did not bring any tidings of the Advance, the conviction is now settled on the publicmind that he has either perished in the icy regions or left them a good while since, and is now on his way home. It was this that induced the United States government to appropriate the sum of \$150,000 to be expended in fitting out, manning, and maintaining, another force of navigators, ready to venture their lives in a search for their missing countrymen. It is earnestly to be hoped, that their efforts may be crowned with success; and that there may be no further occasion for visiting the inhospitable and dangerous regions of the Arctic ocean.

NEARLY TWO MITLIONS AT A SINGLE DASH. Nearly two Mitlions at a Single Dash.— The Steamer which left this port yesterday for Liverpool, carried out nearly two millions of specie, or to be more precise, her shipment in hard cash was \$1,894,406 89.—What for?

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