The Home of Taste.

You seek the home of taste, and find The proud mechanic there, Rich as a king, and less a slave, Throned in his elbow-chair! Or on his sofa reading Locke, Beside his open door! Why start!-why envy worth like his The carpet on his floor?

You seek the home of sluttery-"Is John at home?" you say. "No, sir; he's at the 'Sportsman's Arms;' The dog-fight's o'er the way." Oh, lift the workman's heart and mind Above low sensual sin! Give him a home! the home of taste! Outbid the house of gin!

Oh, give him taste! it is the link Which binds us to the skies-A bridge of rainbows thrown across The gulf of tears and sighs! Or like a widower's little one-An angel in a child-That leads him to her mother's chair, And shows him how she smiled. ELLIOT. ~~~~~~~~~

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THE MONSTER STEAMSHIP.

The voyager up and down the Thames has noticed with astonishment, during the last eighteen first a few enormous poles alone cut the skyline, and arrested his attention; then vast plates of iron, gods, reared themselves edgeways, at great distances apart; and as months elapsed, a wall of metal slowly arose between him and the horizon.

wark of Bridegroom No. 2, when questioned respecting it, tells you it is 'the big ship'-he knows no more.

a green parrot and a bundle of yams, as to what ship. they are doing here, he will eye the huge mass for and argue respecting it. 'Look'ee here,' said an ated pavement. old salt to us pointing with his pipe to the stem

largest collection of seafaring people in the world, inside of the ship, whilst two sturdy Vulcans, walk. in its neighborhood. Where are the merry ship the furnace, will in the course of a day close up deck is flush fore and aft. ribs, and laying the massive keel? Where are cure.

we see the arm of steam, mightier than that of hull does. Thor, wielding some iron shaft big as the mast Ten perfectly water tight bulkheads, placed 60 exercising ground. es card board for a fancy fair ornament.

gineer takes the place of the marine architect.

standing just sixty feet apart. If we examine the a piece of bamboo. places, but, on closer inspection, it is found that able to sustain an independent existence. with the maximum of strength. A glance at the ho'els of the steamship will be located.

the other.

diately she struck, her wooden deck doubled up the parti-walls with their next door neighbors. into the deep.

to run as finely fore and aft as those of a Thames ment, making a total of 4,000 guests. wager boat? How are the innumerable curves A reference to the longitudinal and transverse to lead her onward over the wave. which die away into each other to be produced by sections will explain her internal economy more by its elasticity, allows itself to be modelled to the over 350 feet, are located in the middle instead of position, was the subject of a separate study to where of course there is no motion at all. the engineer.

months, the slow growth of a huge structure on be made, and by these patterns the plates were from penetrating to the inhabitants in the upper the southern extremity of the Isle of Dogs. At cut into their required shapes by the huge steam stories. As the engine and boiler rooms are sep- adopted to direct this vast mass of moving iron as that seemed big enough to form shields for the 'list,' or inclination to be given to each plate, is rangement has been made to connect their machin- path in the great highway of nations. The usual The sooty engineer, as he leans over the bul- and so adjusted, as to give it any required curve. ed fore and aft in the center of the coal bunkers, out at the bow, more than three hundred feet away. If, moved by curiosity, the voyager hails a boat ces upon the iron where the rivet holes are to be traverse her great divisions, just as the aortu trav- cessitate the use of a telegraph, and the Great Westand rows ashore, the sturdy oarsman can only punched; when this last process is completed, the erses in its sheath the human diaphragm. tell you it is 'the big ship.' If you question Jack, plate is lettered with two or three separate letters, Let us return, however, for a few moments to way. whom you see coming along the road laden with indicating the precise place it has to take in the the deck, in order to give the reader a clear idea

metal cumber the ground. The ship carpenter is boiler rooms, engine rooms, coal and cargo, &c.; -the screw, the paddle and the sail. transmuted into a brawny smith, and the civil en- whilst some 40 or 50 feet of her stem and stern Hr paddle wheels, 56 feet in diameter, or conare rendered almost as rigid as so much solid iron ably larger than the circus at Astley's will be pronew material has necessitated new ideas with re- posed of a system of cells formed by plates and The motive power of these will be generated by spect to construction. She runs along, or rather angle irons. By this multiplication of rectilinear four boilers. Enormous as are these engines,

that the ship has no ribs springing from a keel or | tinct pertion, and she could not well be destroyed | combined engines being equal to 3,000 horses.

line; and riveted on each side of these thirty-two you traverse her mighty deck, flush from stem to world, he better comprehends the gigantic nature waves, and we all know how the prophecy was webs or ribs, which are again subdivided at con- stern, the great compartments made by the trav- of the labor to be done, and the ample means taken fulfilled. venient lengths, are plates of iron three quarters erse and longitudinal bulkheads, or parti-walls of to perform it. As the screw and the paddles will of an inch in thickness, forming a double skin to iron, appear in the shape of a series of parallelo- both be working at the same time, the ship will the Manai tube, combines the minimum of weight openings at once reveal that it is here that the upon to do its best.

to Mr. Mivart and drop them down one gulf, take or nearly twenty miles an hour. We all know, closely observed the waves, and by means of Hitherto it has been the practice to build iron 'Farrance's' and drop it down the second, take even on a calm day, what a wind meets the face the known length of the ship, was enabled to ships in exactly the same manner as regards frame- Morley's at Charring Cross and fit it into a third, looking out of a railway train going at that pace, form a pretty accurate idea of their dimenwork as wooden ones; that is, the strength of the and adjust the Great Western Hotel at Paddington and consequently it can be understood that sails, tions. sides has been made gradually to lighten towards and the Great Northern at King's Cross into aper- except on extraordinary occasions, would act raththe deck, which being of wood, can offer but slight tures four and five, we should get some faint idea er as an impediment than as an assistance to the tains high' was well known before that time to resisting power. Thus iron ships of the old meth- of the accommodation 'The Great Eas- ship's progress. It is not probable, therefore, that be an exaggeration; but we do not think even od of construction are peculiarly liable to break tern' will afford. We speak of dropping hotels they will not be much resorted to, except for the philosophers were prepared for the statement their backs upon the application of force, either down these holes, because the separate compart- purpose of steadying or of helping to steer her. made by this observer at a meeting, some years

just, in short, as a tube would be easily broken, many different houses; each will have its splendid more than twenty-five miles an hour in the direc-The Birkenhead iron troop-ship was a melan- passengers will no more be able to walk from the spreading 6,500 square yards of canvas. choly instance of this unscientific method of coa- one to the other than the inhabitants of one house

plate,' as it is technically called, had originally to stowed, and will prevent all sound and vibration ship. shears, in exactly the same manner as the tailor arated from each other by bulkheads, in exactly she flies on her course, threatening by her speed cuts out the various portions of a garment. The the same manner as the saloons, a peculiar ar- destruction to herself and whatever may cross her the next process to be gone through; and this ery without interfering with their water-tight is produced by passing it through a system of character. Two tunnels, of a sufficient size to ets, for instance, could make the captain on the rollers, which can be so reserved in their action, give free passage to the engineers, are construct- bridge heard either by the helmsman, or the look-The 'template,' studded with holes around its through all the great iron parti-walls. By this ar- Even the engineer, sixty feet beneath him, would margin, is then fitted to it, and a boy with a stick rangement the steam and water pipes which give be beyond the reach of his voice. As in the raildipped in white lead marks through them the pla- life and motion to the ship will be enabled to way, we have to deal with distances which ne-

Thus the hull is first carefully thought out in The exact dimensions over all are 692 feet. There at night, and in foggy weather, he will be sigfor a moment and reply with a vacant negative. detail, and is then regularly and mechanically are few persons who will thoroughly comprehend nalized how to steer by a system of colored lights. Even those who are informed of its purpose doubt put together, in much the same way as a tessel- the capacity of these figures. Neither Grosvenor The electric telegraph will also be employed to The process of fastening the plates affords in; Berkley Square would barely admit her in its the engineer below. and the stern of the ship, which lie parallel with another curious contrast to the old method of long dimension, and when rigged, not at all, for the river, 'here's her starn, and here's her stem, bolting employed by the ship carpenters. The her mizen-boom would project some little way up of the vessel will be provided for. Starting from neer Mr. Brunnel, the father of transatlantic steam one the upholder who holds the bolt in its posi- able to complain of being 'cooped up,' as four turns

ing up and overshadowing not only the ship yard the spectator with astonishment. A set of three either side. With the exception of the sky-lights itself, but the portion of the new town immediately men, and a boy to shovel the hot bolts out of and openings for ventilating the lower salcous, her

weight, destined to move the screw, and the screw of making fast the ship. she has a system of ribs or webs, longitudinal in- A better idea perhaps of the interior of the ship itself of 24 feet in diameter, the four fans of which,

The calculated speed of the ship under steam is tranverse midship section will show at once this If we were to take the row of houses belonging expected to average from fifteen to sixteen knots, in one of the Cunard boats, some years since,

one side of which was made much stronger than saloons, upper and lower, of 60 feet in length; its tion of her course, she is provided wih seven masts, bedrooms or cabins, its kitchen and its bar; and the two of which are square-rigged, and the whole

It will be observed by the diagram that she carstruction; for it will be remembered that imme- in Westbourne terrace could communicate through ries no bowsprit, and has no sprit sail. We do not know the reason of this departure from the and snapped in two, as a stick would snap across | The only process by which visiting can be car- ordinary rig, unless it be to avoid her ploughing the knee, while stem and stern reared for a moment ried on will be by means of the upper deck or too deeply in the sea. Her bow is also without a high in the air, and then went down like stones main thoroughfare of the ship. Nor are we using figurehead; and this peculiarity, together with her figures of speech when we compare the space simple rig, gives her the appearance of a child's As you stand watching the process of building which is contained in the new ship to the united toy boat. If beauty is nothing more than fitness, up this double skin, or framework of the ship, the accommodation afforded by several of the largest | this form of bow is undoubtedly the most beautiquestion immediately strikes the mind, how are hotels in London. She is destined to carry 800 ful, and the Americans, who have long adopted it these unyielding plates of inch iron made to ac- first class, 2,000 second class, and 1,200 third class in their trans-Atlantic steamers, are right; but to commodate themselves to her lines, which are seen passengers, independently of the ship's comple- ordinary eyes it looks sadly inferior to the old figurehead projecting out before the ship, as if eager

Fewer hands will be required to navigate the any aggregation of rectilinear pieces of flat boiler readily than words. The series of saloons, to- Great Western than her size would seem to deplate? In ordinary wooden ships, the planking, gether with the sleeping apartments, extending mand. Her whole crew will not exceed 400 men -a third of the number composing the crew of a ribs; but here there are no ribs, in the true sense aft, according to the usual arrangement. The three-decker. The difference is made up by what of the word, and the form of the vessel must de- advantage of this disposition of the hotel depart- we may term steam sailors. There will be four pend upon the inclination given to each separate ment must be evident to all those who have been auxiliary engines appointed to do the heavy work piece of iron before the fastening process is com- to sea and know the advantage of a snug berth as of the ship, such as heaving the anchors, pumping, menced. And such, in fact, is the case. Every near as possible to the center of the ship, where and hoisting the sails, for the gigantic arm of steam individual plate, before being fixed in its proper its transverse and longitudinal axes meet, and | will be imperatively called for to deal with the vast masses of iron and canvas required to move and It will be observed that the passengers are placed | hold the ship. These engines will in all probabil-Of the ten thousand, or thereabout, that com- immediately above the boilers and engines: but the ity, communicate their power to a shaft running pose the framework of the ship, only a few situ- latter are completely shut off from the living freight | through an aperture in the upper iron deck, by ated in the midship section are alike either in size by a strongly arched roof of iron, above which, which arrangement motive power in any required or in curve. For each a model in wood, or 'tem- and below the lowest iron deck, the coal will be quantity will be laid on from stem to stern of the

> It is obvious that some special means must be contrivance will not apply. No speaking trumpern, in this respect, will be treated just like a rail-

On ordinary occasions a semaphore will, in the of the magnitude of the structure under our feet. daytime, give the word to the helmsman, whilst nor Belgrave Square could take the Great Eastern | communicate the captain's orders to him and to

Thus the nervous system, if we may so term it, and here's the water; and how they are going to holes in the places to be held together being Davies street, whilst her bowsprit, if she had one, the bridge, or post of the commander, which leads brought in exact apposition, bolts at a white heat | would hang a long way over the Marquis of Lans- | directly from his apartments, located between the The great ship, or Great Eastern, as she is are one by one introduced, and firmly riveted downe's garden. In short, she is the eighth of a paddle boxes, as shown by the square space figsometimes called, projected by the eminent engi- whilst in that condition by a group of three men, mile in length, and her passengers will never be ured within the circle in the diagram, the fine filaments will be extended to the helmsman at the navigation, although building in the midst of the tion by placing a hammer against its head on the up and down her deck will afford them a mile's stern and to the look-out at the bow, whilst a third thread will communicate with the engineer. By stands a wonder and a puzzle to them all. And, with alternate blows, produce the rivet head on Her width is equally astonishing. From side this means the captain, or brain of the ship, will indeed, the moment you are inside the works of the other. The bolts contract in cooling, and to side of her hull she measures 83 feet, the width be able in a moment to put in motion, to drive at Scott, Russel & Co., at Millwall, you feel the rea- draw the plates together with the force of a vice, of Pall Mall; but cross the paddle boxes her breadth full speed, to reverse the action, or to stop the son of the strange eye with which the maritime and hold them so forever afterwards. The rap- is 114 feet—that is, she could just steam up Port- iron limbs which toil day and night far out of population view the monster which is slowly grow- idity with which this process is performed strikes land place scraping with her paddles the houses on sight in the deep hold, or as instantly to direct the helm so as to alter the vessel's course.

In most iron vessels great precautions are taken to avoid the incorrectness to which the carpenters, caulking away with monotonous, dead four hundred rivets; and speed in the process is However splendid this promenade might appear needle placed on deck is liable on account of sounding blow? Where are the artizans chipping requisite, when we remember that before the ship with respect to those of other ships, we question the proximity of attractive masses of metal. with their adzes, rearing up one after another huge can swim three million of them must be made se- if it is at all too large for the moving town to whose The commonest expedient is to have placed use it is dedicated. Room must be found for the high up in the mizzenmast, beyond the influence the bright augurs gleaming in the sun, as sturdy | If we clamber up the ladders which lead to her | holiday strolling of between three and four thou- of the iron sides of the ship, what is called a deck, some 60 feet above the ground, we perceive sand persons, whilst she is careering through the standard compass, and which may be said to None of these old accustomed sights and sounds that her interior presents fully as strange a con- heated atmosphere of the trophics, and not merely realize Dibdin's 'Sweet little cherub who sits of ship building are to be found; but in their place trast to other vessels as the construction of her for a few score blue nosed gentlemen, such as use up aloft, and takes care of the life of poor Jack. the deck of the trans-Atlantic steamers for a severe In the Great Eastern, a special stage or framework will be erected for this dainty Ariel, at of some huge admiral,' or punching inch plates of feet apart, having no openings whatever lower The manner in which this moving city, rather least forty feet in height, and the helmsman iron as quickly and as noislessly as a lady punch- than the second deck, divide the ship transversely; than ship, will be propelled with the speed of a will probably either read off the points from whilst two longitudinal walls of iron, 36 feet apart, locomotive through the ocean, is not the least above as they appear through a transparent Steel, urged by the same potent master, is seen traverse 350 feet of the length of the ship. Thus noticeable of the arrangements connected with card illuminated like a clock front, or the showing its mastery over iron as the huge lathes the interior is divided, like the sides, into a sys- her. Mr. Brunnel has, we think wisely, decided shadow of the trembling needle will be projecrevolve, or the planing machine pursues steadily tem of cells or boxes. Besides these main divi- not to trust so precious a human freight and so ted down a long pipe upon a card below, its resistless course, whilst, in place of the shav- sions, there are a great number of sub-compart- vast an amount of valuable cargo to any single so as to avoid the necessity of the helmsman ings of the carpenter, long ringlets of dull grey ments beneath the lowest deck, devoted to the propelling power, but has surplied her with three looking up, and so obviate the difficulty which would occur in foggy weather.

The experiments with respect to this important adjunct to the ship are not yet concluded, A closer inspection of this Leviathan vessel by being divided by iron decks from bulwark to pelled by four engines, the cylinders of which are however, and we must be considered to speak shows us how completely the employment of a keel. Her upper deck is double, and is also com- 6 feet 2 inches in diameter, and the stroke 14 feet. speculatively as to the plan which is likely to be adopted.

The anchors of this mighty steamer would, will-for she is not yet quite up in frame-some compartments, the ship is made almost as strong having a nominal power of 1,000 horses, and with their accessories, alone form the cargo of seven hundred feet; those portions of her yet un- as if she were of solid iron, whilst, by the same standing nearly 50 feet high, they will be far in- a good-sized ship. The ten anchors with finished at stem and stern show her partitions or system of construction, she is rendered as light ferior to those devoted to the screw. These the which she will be fitted, together with their bulkheads running nearly sixty feet in height, and and as indestructible, comparatively speaking, as largest ever constructed for marine purposes, will stocks, will weigh fifty-five tons. If we add be supplied with steam by six boilers, working to to this ninety-eight tons for her eight hundred outer walls of these huge partitions, we see at once There is a separate principle of life in every dis- a force of 1,600 horses—the real strength of the fathoms of chain-cable, and one hundred tons for her capstans and warps, we shall have a back bone-none of the ordinary framework by even if broken into two or three pieces, since the When the spectator looks upon the ponderous total weight of two hundred and fifty-three which her bulging sides are maintained in their fragments, like those of a divided worm, would be shaft of metal, 160 feet in length and 60 tons in tons of material dedicated to the sole purpose

It was prophesied that Mr. Brunel's first stead of transverse, running from stem to stern can be gained at the present moment than when as they lie on the ground, remind him of the blade- ship, the Great Western, would be doubled up of the ship, up to eight feet above her deep water she has progressed farther towards completion. As bones of some huge animal of the pre-Adamite as she rested upon the cresses of the Atlantic

When it was made, indeed, we were very much in the dark as to the size of ocean the ship, or a dermis and epidermis. Thus her grams, sixty feet in length by thirty-six in width; be pulled and pushed in its course like an invalid waves, and it was not until the introduction framework forms a system of cells, which, like numerous doors in the walls of these yawning in a Bath chair, and each power will be called of long steamers, that they could be measured with any accuracy.

Dr. Scoresby, whilst crossing the Atlantic

The old vague account of their being 'mounto their two ends or to the center of their keels, ments will be as distinct from each other as so In case however, of a strong wind arising, going since, of the British Association, that they