Maddaloni and into the sea. So grand and so From that model we were enabled to underdestructive an eruption has not been known for stand where the engines, coals, stores and cargo many years, and even now we cannot tell how would be placed, and moreover where the two or when it will terminate. The mountain is lit- thousand first class passengers would be berthed erally seamed with lava, and many fear a violent in their five hundred state cabins, and where the explosion as the final scene of the tragedy.

[From Dickens' Household Words, May 26.]

A Steamer of Twenty-five Thousand ship. Tons Burthen.

about it. A close inspection, however, shows a compartments of the huge interior. line of unrights at each end which mark the really intended for a ship.

Standing on the banks of the river Thames, moment. with a vast open space on one side and Greenwich Hospital on the other, it is not easy to form army of ten thousand men each, ready to be cona just conception of this marine monster, which, veyed to the scenes of their future operations. for want of a better name, we call Leviathan.

from designs by Mr. Brunel, the engineer, whose divisions entire, with horses, fodder, artillery and conception the entire fabric is. When we remind ammunition; it could land those ten thousand our readers that the Royal Albert line-of-battle men, with proper arrangements in the Crimea; ship, of one hundred and twenty guns, is some- could return and carry the second of those small thing under four thousand tons, and about two armies; and could arrive back at Marseilles for Simla and Himalaya, at present the largest starting. screws. In the Leviathan the screw will be veved through Egypt. combined with the paddle, worked by engines Had the old system of ship building still preto ten thousand horse power. times derangements or cleaning of one or two | a ship of half her size. progress of the ship. length of the Leviathan she will be enabled to juon less than one inch in thickness. pass through the water at an average speed, in | The secret of the great strength attained by all weathers, of fifteen knots an hour, with a this comparatively small amount of metal is in smaller power in proportion to tonnage than ordi- the peculiar structure of the hull. It is built nary vessels now require to make ten knots. throughout in distincts compartments, on the The contracting speed of most ocean mail-carry- principle of the Britannia Tubular Bridge, and ing steamers is eight knots. We believe that the Eastern Steam Navigation | ship. Company intend making their first voyage to hour averaged from land to land would take the thereby extending far above the water line. Leviathan to the golden colony in about thirtytwo days. This can only be accomplished, even at that high speed, by avoiding all stoppages for out of the direct sleaming course. Here we find another novelty brought to bear by Mr. Brunel. A ship of this huge capacity can carry 12,000 tons of coals-quite sufficient, it is stated, for her any one or two of which, though torn or fracconsumption on the outward and homeward voy- tured, and filled with water, would not affect the ages. Space will still be left for 5.000 tons of buoyancy or safety of the ship. cargo, the massive machinery, and 4,000 passengers, with their luggage, and all necessary stores for use. The advantage of this arrangement is two-fold. Besides the avoidance of stoppages for coaling on the voyage, the ship earns all the freight which must otherwise have been paid to sailing vessels for the conveyance of fuel to the coaling depots, to build and equip a steamer of two or three hundred tons. another.

two thousand second class and steerage passengers would be placed, without nearly as much crowding as in an ordinary passenger or emigrant

shelving proportions of stem and stern, and then our military authorities, who are so much in want one can perceive that the object before us is of steam transports to the seat of war, if this this indi-pensable vegetable. monster ship were ready for sea at the present

There are just now two divisions of the French The Leviathan, with just sufficient fuel for so It is being built by Scott, Russell & Company, short a voyage, could take on board one of those

Our readers will have frequently heard dis- in two thirds of the time, and not much greater cussions as to the relative merits of paddles and cost than was required for the one regiment con-

Another mode of Planting Potatoes. For two years we have been trying to induce some of our readers to try an experiment in the cultivation of potatoes, but whether we have been successful or not we have no means of knowing, as no person has reported progress. There is no crop that has paid so well the past season as

potatoes, and there is no crop so certain or so Large indeed must that steamer be which can easily raised. Potatoes have been a legal tender provide a main deck saloon sixty feet in length, in this market ever since free bank money began The huge fabric erecting at the Isle of Dogs, and forty in width, and fifteen feet in height, to depreciate, at one dollar and fifty cents a (below London) as yet bears no resemblance to with a second class saloon only twenty feet bushel. There is no crop that may be raised so any known kind of craft. At a distance the eye shorter, and a foot or two less in height. The easily as potatoes, nor one that can be raised is unable to detect any particular proportions Leviathan has these, and they appear but small more profitably. With the hope that some of the readers of the Courier may be induced to try It would prove a fortunate circumstance for the experiment the coming season, and report the results, we again publish the plan for raising

Let the farmer or the gardener select some refuse lot, or part of a lot, of sod ground. Do not plow it, but when planting time comes, say between the 10th of May and 1st of June, place potato cuttings on the grass of the said ground, from twelve to eighteen inches apart, using about the same amount, or perhaps a little more seed than is used in the ordinary way of planting -

steamers afloat, are only three hundred and twenty It has been deemed an achievement worthy of this covering without difficulty, and form a mat, gregate cash value of the farms in that State is feet in length, or thereabouts, they may form mention to convey an entire regiment of light which will prevent the straw or other covering \$120,237,511; the population is 485,555, which some idea of the proportions of this Eastern cavalry from Bombay to the Crimea, by way of from being blown off by the wind. Potatoes gives for each inhabitant \$245 60. The next of Steam Navigation Company's ship, when they the Red Sea and Egypt, in about two months. planted in this way will need no plowing or hoe- all the States is Vermont, in which the cash value are told that it will be six hundred and eighty If the calculations as to the speed of the Levia- ing. In the fall, when the vines are killed with of the farms is equal to \$201 for each inhabitant. feet in length and of twenty-five thousand tons than are correct-which more learned heads than frost, take a strong rake and uncover the potatoes, Connecticut is next on the list, and nearly equal burden: in other words, of more than six times ours declare them to be-then the iron ship could which will be found covering the ground, large, to Vermont, being \$196 41. Massachusetts is the capacity of our largest men-of-war, and have conveyed at least half a dozen regiments of dry, and clean enough for the dinner kettle, far below either Vermont or Connecticut. Her above double the length of the largest steamship cavalry from Bombay to Balaklava, by way of without washing. The ground will be found to population is 994,514; the aggregate value of Cape of Good Hope and the Straits of Gibraltar, have lost none of its virtue, but will in fact, be her farms is \$109,976,347, which is equal to it will be seen, is much less than will be required inhabitant to the ratio of Vermont, Massachuby the old method of plowing, planting, heeing setts should have an aggregate value of farms be subject to the rot. the winter, and which is of no use except for York \$179, in Pennsylvania \$172, in Virginia this purpose. Why not, at least, try this simple \$152. In Illinois and other Western States, experiment? Its cost is trifling, except for the although the aggregate intrinsic value is far seed. cylinders or boilers will not interfere with the Strength enough could not have been obtained Farmers of Tippecanoe, how many of you will with the most ponderous masses of timber-work. give the experiment a fair trial? Measure your Steam will be the sole propelling power, no braced as they might have been with iron and ground, and report the result for the information is God's special present to the working man, and canvas being contemplated in this vessel. In copper, to have floated so mighty a load of cargo, of the rest of the readers of the Courier. Select one of its chief objects is to prolong his life, fixing the great size of the Leviathan, its projector machinery and living beings. Yet the monster of two spots of ground, if you choose-one wet and preserve efficient his working tone. In the believes that he has obtained the elements of a which we are now speaking-so new in its and the other dry-so as to meet the season. vital system it acts like a compensation pond; speed hitherto unknown in ocean-going steamers. various appliances of power, so wonderful in its If the season should be dry, your wet ground it replenishes the spirits, the elasticity and will be more likely to succeed; if the season be vigor, which the last six days have drained wet, your dry ground will produce the best. the experiment last year, but we have heard of none that did so. For your encouragement we will state that we have ourself raised at the rate of over nine hundred bushels of potatoes to the acre, by this simple method. A big story, but true, notwithstanding. If this table vegetable should command the price of the past winter, we presume our farmer readers would be satisfied with one third of that amount, and make more money at that than by raising corn .- [Lafayette (Indiana) Courier, April 2.

posite character of light, and from the reflecting propensities of most physical bodies, me sale

If instead of red, yellow, and blue, which the analysis of the prism and experiments of absorption have shown to be its constituents, it had homogenious, simple white, how changed would all have been. The growing corn, the ripe harvest, the blossom and the fruit, the fresh greenness of spring, and autumn's robe of many colors, the hues of the violet, the lily and the rose, the silvery form of the rivulet, the emerald of the river and the purple of the ocean, would have been alike unknown. The rainbow would have been but a pale streak in the grey sky, and dull vapors would have canopied the sun, instead of the clouds which, in the dyes of flaming trilliancy, curtain his rising up and going down. There would have been no distinction between the blood of the children and the flush of health, the paleness of decay, the hectic of disease, and the lividness of death. There would have been an unvaried, unmeaning leaden hue where we now see the changing and expressive countenance, the tinted earth and gorgeous firmament.

the chart of the state of the s

VALUE OF FARMS IN DIFFERENT STATES .---Cover the ground thus sown with coarse straw, The late census shows the aggregate cash value corn-stalks, leaves, or any other refuse matter of of all the farms in the several States. Distributhe kind, to a depth of six to ten inches - just ting this aggregate according to the white pophundred and twenty feet in length, and that the the second time within one month from her first enough to kill the grass and prevent it growing. Ulation of each State, we find the following The potato vines will find their way through result: New Jersey is the highest. The agenriched by the process. The labor prescribed, only \$109 77 to each person. To be equal per and digging. The result will be, in nine cases of \$199,897,314, a difference of more than \$90, out of ten, a much larger crop of much nicer 000,000, and to be equal per inhabitant to Conpotatoes-and what is better still, they will not necticut, she should have a value in farms of \$197,292,494, a difference exceeding \$88,000, Almost every farmer has stacks of straw 000. The average in Ohio, without fractions of which have been run over by his stock during a dollar, is \$181 to each inhabitant, in New greater, the cash value is far less .- [Ex.

nominally of two thousand six hundred horse vailed with regard to sea-going steamers-had power, but in reality capable of being worked up our shipwrights worked on the wooden wall prin-

ciple, instead of the plate and rivet method-we To guard against accidents at sea to machin- would never have possessed such noble steamships ery, and to prevent any detention from such a as are owned by our large commercial companies. cause, the paddle wheels will not only be per- Certain it is that the Leviathan could not have fectly distinct from each other in their working, been built on the wooden system. The mightiest but each will be set in motion by several sets of giants of Indian forests, of fabulous age in countmachinery of superabundant power, so that at all less numbers, would not have sufficed to produce

It is confidently predicted that by the great unheard-of capacity-is composed of plates of

when finished will be in fact a huge tubular

The principle of that structure need not here Australia. The actual distances from Milford be dwelt upon. It will suffice to explain that Haven, the company's starting point, to Port the whole of this vessel will be divided into ten Philip is less than 12,000 miles, if no ports be huge water-tight compartments, by means of iron touched at. A speed of fifteen knots or miles an plate bulkheads carried up to the upper deck,

In addition to this great safeguard against

PHYSICAL BENEFIT OF SUNDAY .- The Sabbath away, and supplies the force which is to fill Several farmers and gardeners promised to try the six days succeeding; and in the economy of existence, it answers the same purpose as in the economy of income, is answered by a savings bank. The frugal man who puts aside a pound a day, and another pound next month, and who in a quiet way is always putting by his stated pound from time to time, when he grows old and frail, gets not only the same pounds back again. but a good many more beside. And the conscientious man who husbands one day of existence every week-who instead of allowing the Sabbath to be trampled on and torn in the hurry and scramble of life, treasures it devoutly up-and the Lord of the Sabbath THE LOVE OF HOME .- It is only shallow keeps it for him, and length of days and a hale BLIND PEOPLE .- Stanley, the organist, and bulkheads extend to the outer of these skins, they foolish enough to indulge in them, and they are many blind musicians, have been the best musicians of their time; and a schoolmistress "in A man who is not ashamed of himself need | England could discover that two boys were playnot be ashamed of his early condition. It did ing in a distant corner of the room instead of Besides the great transverse divisions before my elder brothers and sisters were born in a log not detect the slightest sound. Professor Sancabin, raised among the snow drifts of New derson, who was blind, could, in a few moments, curled over the frozen hills, there was no similar dance in figure dances, sew, and thread her own evidence of a white man's habitation between it needle. A blind man in Derbyshire, England, into a room for the first time, after speaking a few. I love to dwell on the tender recollections, | words, said, "This room is about twenty-two narrations and incidents which mingle with all I of which was revealed to him with accuracy through the medium of his ear .- [Dollar Newspaper.

accident, the whole length of the ship, except! coal, which, besides detaining a ship many days a double skin of metal plating, the outer one ed origin a matter of personal merit, or obscure Bank of human existence is the weekly Sabin the different ports, carries her a great distance being distant three feet from the interior These origin a matter of personal reproach. Taunt bath .- North British Review. double tubular sides are carried too far above the and scoffing at the humble condition of early life,

are divided into many water-tight sub-divisions, generally sufficiently punished by rebuke.

al.uded to, there are two enormously strong longitudinal bulkheads of iron running from stern to Hampshire, at a period so early that when the tell how many persons were in a mixed company, stern, each forty feet from the inner skin, and smoke first rose from its rude chimney, and and of each sex. A blind French lady could carried to the upper deck, adding greatly to the solidity and safety of the vessel.

The main compartments thus formed by the which, on three-fourths of the quantity consumed bulkheads have a means of communication by Its remains still exist: I make it an annual roads, his ear guiding him to the distance as on one voyage, would amount to a sum sufficient iron sliding doors near the top, easily and effec- visit. I carry my children to it, teach them the accurately as the eye of others; and the late tually closed in time of need. In this way not hardships endured by the generations gone Justice Fielding, who was blind, on walking only are all the most exposed portions of the ship before them. In order to compensate for the great loss of double skinned, but the body is cut up into a weight caused by all this enormous consumption great number of very large but perfectly distinct the kindred ties, the early affections, and the feet long, eighteen wide, and twelve high, 'all of tuel, and to maintain an equal immersion of the fire and water proof compartments, forming, paddles, the coal will, to a certain extent, be re- indeed, so many colossal iron safes. If we can placed by water pumped into the water-tight imagine a rock to penetrate the double skin, and compartments forming the skin of the ship, and make its sharp way into any of these compart-

number of square and oblong spaces, each of unlike any other ship, broadside to the water by A BEAUTIFUL THOUGHT -As in the light which would contain an eight-roomed house of means of hydraulic power, and early next spring Canden Town build, or a semi-detached villa is expected to make a trial trip to the United of cultivated reason you look abroad and see a One might as well attempt to romp with a faner wealth of heauty, a profusion of goodness in the from Stockwell at forty pounds per annum. States and back in less than a for might. show-case. They have passed a law, and a ver work of Him who has sown flowers in the We inspected a model of this ship in wood, and - In contemplating this Brobdingnag vessel our good one it is, to protect quails. We want could scarcely believe that the unsightly mass of small acquaintance with things nautical, dwarfs wilderness, and painted the bird, and enameled another; a law to protect children. If they are iron plates, rivers and joints, just beheld, could by down to Lilliputian insignificance. Before reach. the insect, in the simplicity and universality of afraid the race of quails will be destroyed, what any possible ingenuity, be wrought into anything ing the Isle of Dogs we had imagined we had His laws, you can read this lesson. An uneduare we to say of children? Why, there are so beautifully symmetrical as the long arrow-like possessed some acquaintance with ship building cated man dreams not of the sunlight which now places ig this land of ours, where one can see little craft before us, typering off forward as and marine engineering. One of the Leviathan's in its splendor floods the finnament and the five hundred epitomes of humanity, without seesharply as a woodman's batchet or a Thames cylinders was sufficient to extinguish our preten- landscape; he cannot comprehend how much of ing a single specimen of an old fashioned. redthe loveliness of the world results from the com- cheeked, checked-apron child, - Boston Alas. formed, and from these the laws pears lousies emption containe, will flow down the Lyrisedw

where she tapers off at either end, is protected by minded pretenders who either make distinguish- old age gives it back with usury .- The Saving's

deepest water mark, and inasmuch as the traverse affects nobody in America but those who are

not happen to me to be born in a log cabin, but studying, although a person using his eyes could

and the settlements on the rivers of Canada .- has actually been a surveyor and planner of

know of this primitive family abode.

I weep to think that none of those who inhabited it are now among the living; and if ever

of which we shall presently have occasion to ments, it might fill with water without any detri-I fail in affectionate veneration for him who DEESS .- Butchers usually kill their victims speak. In addition to this arrangement, the pad- ment to the rest of the ship. before dressing them. Mothers frequently dress raised it, and defended it against savage violence dles have been so adjusted on the wheels as to be One of the most terrible calamities that can and destruction, cherished all domestic comforts before killing them. We noticed an innocent as efficient at one draught of water as at befal a vessel at sea is undoubtedly a fire. The little girl of about five years, in the street vesbeneath its roof, and through fire and blood of liron water tight bulkheads would seem to defy terday, dressed and pinched within an inch of her seven years revolutionary war, shrunk from no It is impossible to judge of the future finish or that destructive element sufficiently; but, in life. For health and comfort, she might as well toil, no sacrifice, to serve his country, and to accommodation of such a gigantic ship as the order to make assurance doubly sure, the buildhave been in the embrace of a young anacondal raise his children to a condition better than his Leviathan from the present state of the iron hull. ers are experimenting with a view to employing But then, though the pattern was scant, it was a Lumense divisions of metal plates, reaching to an only prepared uninflammable wood for the interown, may my name, and the name of my poslove of a pattern, and the little creature wore a terity, be blotted forever from the memory of inciedible height, with sub-compartments at right 1 or fittings. butterfly on her head, and of course it was all mankind .- [D. Webster. angles, appear to divide the monster fabric into a Such is the Leviathan. She is to be launched, right, and she was a darling. How would one manage to have a game of romps, do you think, with such an anatomy of silk. lace, and ribbons?