DESERET NEWS. THE

and rarely exceeded twenty-eight feet. The of the river or ocean path she has to traverse. cording to Dr. Scoresby, is six hundred feet, for a voyage round the world. whilst in a moderate gale they are only three It is interesting to note the progressive ad- ousness of embarking and then re-embarking, and twenty feet in length.

leads to the conclusion that long ships must will render clear to the reader:have a great advantage over short ones with respect to the rapidity with which they make n their journey, as it is quite evident that whilst | 1 the latter have to perform their voyages by making a series of short curves-much to the impediment of their progress and to the discomfort of their inmates-the former, by ruling the waves with their commanding proportions, make shorter and smoother passages.

As steamers grow larger and larger the curse of sea sickness must therefore gradually diminish.

The Great Eastern, from her length and the bearing which she will have upon the water, being a paddle as well as a screw ship, will, in all probability, neither pitch nor roll, and will therefore be most comfortable to the voyager. Her immense stride, if we may use the hundred feet waves of an Atlantic gale as easily as a racer would take a moderate sized 1870 will extend. brook.

those mistrusting her length and the great weight she will carry amidships, in the shape of engines and coal, who may be inclined to repeat with respect to her the prophecy which was made with respect to the Great Western. Mr. Brunel, by the method of launching which he intends to adopt, will, however, set these misgivings at rest before she even touches the water. Although the total weight of the ship, together with her engines, which will will rest entirely on two points as she enters the water broadside on. No statement could give a more powerful idea of the strength of her fabric.

averaged no more than twenty feet in altitude, ative term, and applies entirely to the extent England and India, by the Cape, will be reduc- the reader say when we tell him that five vespopular impression principally produced by ma- The Himalaya, for instance, would be an rine painters that waves formed valleys thou- enormous vessel to run to Margate and back, or thirty-six days. sands of yards across, down the sides of which but is only a full size one to cross the Atlantic ships slid as though they were about to be en- or to navigate the Mediterranean. The Great gulfed, seems to have been equally erroneous; Eastern, again, would be large for the passage as the maximum length of ocean waves, ac- to New York, but is only duly proportioned competitor for the traffic round the Cape; but

hundred, and in a fresh sea about a hundred vance of size in steam vessels that has taken which will be fatal to vessels containing such place within the last thirty years, which the bulky cargoes as cumber the Autralian steam-

		L'gth	Brea	dth	
late.	Name and Description.	Feet.	Ft.	In.	
825	Enterprise, built expressly to go to India, coaling at intermediate st	a-			
	tions,	122	27	0	
834	Tagus, for the Mediterranean,	182	28	0	
838	Great Western, first ship built ex-				
	pressly for Atlantic passage,	236	35	6	
844	Great Britain, first large screw sh and the largest iron ship then pr	ip, 			
	jected,	322	51	0	
853	Himalaya, iron ship for the Medite	er-			
	ranean,	370	43	6	
856	Persia, iron ship,	390	45	0	
	Eastern steamship, iron,	680	83	0	

The augmentation has gone on in an increasing be done in 44 days. term, will enable her to take three of the three ratio, and if it is still to continue, we wonder If the Eastern Steam Ship Company have

hands of shrewd men of business, it can well and a half knots with very far inferior powers She will still have to encounter the six hun-dred feet waves of storms, and there may be sive advance in size are sound. Steam shipbuil-between eight and ten days without the exsive advance in size are sound. Steam shipbuil- between eight and ten days without the exabled to carry their own coals over and above Alnaschar dream of the Times, that the period their due proportion of cargo. This the Geeat will arrive when we shall be able to commu-Western did, and succeeded; this the various nicate with our friends at the antipodes in a screw steamers which have run the Australian month. voyage have not done, and consequently they have failed.

It may be objected that the route by way of of ten or twelve days? Egypt, now that the railway is in progress and a canal is projected, will prove a too powerful independently of the inconvenience and tedi-A moment's consideration of these facts diagram, together with the following table, ers, it is asserted that the ocean path is the direct route to the focus of Australian connection with Europe. Thus the navigable distances from Land's End to Port Philip are as follows:-

Via the Come of Cood Hone		11 010
via the Cape of Good Hope	100 M 194	11,019
Cape Horn	1-124	12,700
Gibraltar, Malta, Alexandria	a. Ader	n,
Point de Galle, and Singar	pore, in	1-
cluding transit through Egy	pt	12,034
Panama, including transit ad	cross th	le
Isthmus		12,678

The general association for the Australian colonies have indeed recommended for the mail Thus the ocean going steamer of 1856 is line the overland route as far as Aden, and from nearly six times the length of that of 1825, thence by way of Diego Garcia and King whilst the difference between their tonnage is George's Sound to Melbourne, an estimated still more in favor of the last built vessel .- distance of 10,348 miles, which they fancy can

over what space of water our leviathan of not anticipated too great a speed for their vessel-and we scarcely think they have done so, tenderness in this manner. As our commercial steam marine is in the considering that the Persia has made fourteen ders are, in fact, only accommodating the ton- pense and trouble of making a long land journage of their vessels to the length of the voya- ney across the isthmus. Surely this, if it ges they have to perform, so that they may be en- comes to pass, will go far to accomplish the As far as the commercial part of the speculation goes, we are of course incapable of giv-No one can fail to have observed that within ing an opinion. The value of the exports to be erected in her whilst she is still on land, these last two years, steam, in long voyages, the young empire, which is springing up with has apparently suffered a defeat. Clippers of such rapidity in Polynesia, is, however, so here he was arrested by a frown from the all kinds, Marco Polos, Red Jacket, and Mor- great-in 1853 the declared value being £14, teacher. ning Stars, seem to have recovered their own 506,532-that we cannot conceive there would again, and in the race round the world, sails be any lack of cargo even for our leviathan. have distanced the paddle and the screw. That she will be par excellence the emigrant boy, and a frown brings him up again. When the question comes to be examined, ship, who can doubt, when we find that, with el to adopt this method of launching are given however, it is clear that it is the want of all her splendid accommodation, she will be steam that has caused the failure. Vessels, able to take passengers of the first class for 'Launching is generally affected by building in short, are little fitted to make a passage of £65, of the second class for £35, and of the ence has determined should be an inclination by a lucky accident it managed to cross the Her great proportions will indeed almost deof about 1 in 12 to 1 in 15, the keel of the ship Atlantic at the same time as the Great Wes- ceive her passengers into the idea that they being laid at that angle and the keel conse- tern, was to go a continuous stage of three are sojourning in some noble mansion. Let us quently raised above the stern say 4-15th of thousand miles. They have all the expense of imagine her saloons blazing at night with gas, the new motive power without its full advan- which will be manufactured on board and sup-In the present case this would have involv- tages, and, in consequence of their having to plied to every part of the ship; let us picture ed raised the first part of the keel or the fore- go out of their direct course to coal, they lose to ourselves her magnificent sweep of deck foot about forty feet in the air, and the fore- from twelve to twenty days on the passage. filled with gay promenaders, listening to the castle would have been nearly 100 feet from The tortoise, in this instance, has not fairly band as she sails over a summer's sea; annoyed the ground, the whole vessel would have been beaten the hare, because the latter has will- by no smoke, for, in consequence of the use of anthracite coal, none will be emitted from her Mr. Brunel, in constructing a ship of such | five funnels; and distressed by no motion, as in The inconvenience and cost of building at large dimensions, is only doing for the long consequence of her length she will stride with ly imagined, but another difficulty presented Western one, namely, making her own coal We might also dwell for a moment upon the itself which almost amounted to an impossibil- bunkers the bank on which she can draw to mighty larder of our leviathan prepared for dence. ity, and which has been sensibly felt with the any extent during her progress out and home, her flight of five and thirty days, without a larger vessels hitherto launched, and will pro- instead of employing from six to eight ships of stoppage, across the ocean desert with a whole the man with vexation. bably, ere long, prevent launching longitudin- 500 tons burthen each to carry fuel for her over town on board; or we might draw a comparihalf the globe, as the vessels at present run- son between her and the Ark (which by-the- herself,

ed to from thirty to thirty-three days, and be- sels such as the Great Eastern could bring tween England and Australia to thirty-three home our 50,000 troops from the Crimea, with all their artillery and baggage, in the course

> GEOGRAPHY .- A class in geography was called. It consisted of seven boys and girls, whose names were, as we learned during the recitation, Thomas, Lucy, Huldah, Horatio, Sidney, Austin, and Amanda. They were reciting about Europe, and the questions and answers were as follows:-

'Thomas, what is said of Europe?'

'It-it-it-is-stammered the boy,

'the small-,' prompted the teacher,

'est division of the globe,' continued Thom-Milos as.

> 'Grand division, you mean, do you not?' said the teacher patronizingly.

'Yes, sir,' replied the boy confidently.

'That's right,' returned the master. 'Now, Lucy, for what is it noted?'

It's noted for-for-for-,' replied the girl,

'being the most'-the teacher went on with the sentence,

'civilized and-and-and'-evidently Lucy's memory was completely exhausted; so the teacher continued,

'the most popu-'

'lous, in proportion to its extent, of any of the divisions of the globe,' said Lucy briskly, now helped completely beyond embarrassment.

'Right. 'Now Huldah, what is said of its climate?' said the schoolmaster, with some

'It-it-it-is-is---' began the girl,

'The western part is milder -----,' suggested

The reasons which have induced Mr. Brunas follows in his report:---

the whole length of the ship.

on an average twenty-two feet higher than if fully broken her leg. built on an even keel.

ally vessels of great length.

the end first immersed would become water- age to stow in his own knapsack. borne or would require a very great depth Vessels of 450 or 500 feet in length would that we quote it entire:serious difficulty. ing disadvantages. This plan has been ac- nication with the coal field. to low water mark. pleted. At these two points, when the launch- ience.

the ship on an inclined plane, which experi- thirteen thousand miles, as the Sirius, though third class for £25?

such a great height above ground may be easi- Eastern voyage what he did for the shorter ease over the waves of the Pacific.

The angle required for the inclined plane to ning are obliged to do; a system which may be by had not half her capacity), as she receives ensure the vessel moving by gravity, being, likened to the extravagance of a man who em- on board her flocks and herds to furnish fresh tion apiece, and was an exact specimen of the say 1 in 14, or even, if diminished by improved ploys half-a-dozen porters to carry parcels, meat for the passage. construction in ways to 1 in 25, is such, that which, by proper management, he could manof water before the forepart of the ship would puts the calculation, with respect to her im- periment in ship building. And as a contrast them, giving them the half or the whole of the mense advantage, in carrying power so well, to this fair side of the medal, let us fancy her first word, and allowing them to commence exbe difficult to launch in the Thames, unless 'In avoiding the delay of coaling on the voy- arrow 27,000 tons in weight, propelled by a sentence, as the case might be. And the rekept as light as possible, but our ship could age, your ships will also escape the great cost bow of 3,000 horse power. Can we, without sult was, as might have been expected, the not be so launched, the keel of the sternpost of taking coal at a foreign station. Coals ob- a shudder, contemplate the possibility of a scholars could no more go on with a recitation being required to be, as I before said, about tained on the Indian and Australian route, cost collision with such a resistless force?-a line without this constant prompting than a cripforty feet below the level of the forefoot; some on the average, including waste and deteriora- of battle ship with a thousand hands on board ple can walk without his accustomed crutches. mitigation of the difficulty might be obtained by tion, four or five times as much per tonage as in cleft in two as swiftly as the apple by the _[Rhode Island Schoolmaster. an improved construction of the ways; but the this country. But your ships will take their shaft of Tell. great length of ways to be carried out into the whole amount of coal for the voyage from near Every precaution will indeed be taken to river would, under any circumstances, be a the pit's mouth, at a rate not exceeding for the avert such a catastrophe. The electric light work on the English language, says the words best quality, 12s. to 14s. per ton. These considerations led me to examine in- On the voyage of existing steam vessels to nights the ship will carry a moonlight atmos- tained in the 23rd chapter of Matthew, should to the practicability of launching or lowering Australia or India and home, the consumption phere wherever she goes. In case of any be strain out a gnat, &c.' This, he says, is the vessel sideways; and I found that such a amounts to from 4,000 to 6,000 tons; the cost fatal injury to herself, which could not well the correct version of the original, as appears mode would be attended with every advantage, of which would supply 15 to 20,000 tons if takand, so far as I can see, it involves countervail- | en on board at some port in immediate commu- taking off her passengers, even if counted by of which have 'strain out.' cordingly determined upon, and the vessel is. Each of the company's ships will carry, be- steamers of 90 feet in length, a paddle box boat, strain their wine, vinegar, &c., through linen building parallel to the river, and in such a sides their own coal, upwards of 5,000 tons and in addition to these she will carry a large or gauze, lest unawarcs they should drink down position as to admit of the easy construction measurement of merchandise, and will have number of the new collapsing, or bellows boats, some little, unclean insect, as a gnat, and thus of an inclined plane at the proper angle down 800 cabins for passengers of the highest class, as the sailors call them. with ample space for troops and lower class In constructing the foundation of the floor on passengers. These you will not only be able the Rev. E. L. Berthon, expand and shut like a which the ship is being built, provision is made to carry at rates much smaller, than those by Gibus hat or the hood of a carriage, occupying says Spalding, in his work on Japan, with their at two points to ensure sufficient strength to any existing steamships, but with an unprecebear the whole weight of the ship when com- dented amount of room, comfort and convening has to be effected, two cradles will be in- In thus determining the size of the ships, jolly boat, and seem to be as easily opened as sing scarf; are quite good looking, and with troduced, and the whole will probably be low- your directors believe that they are also ob- a parasol or umbrella.

'That answer is in fine print, and we were not to learn the fine print,' cried a half-dozen voices.

'Right; I forgot, said he. 'We'll try the map questions. What ocean on the north?"

'Northern!' said the scholar promptly.

'Arc---' the teacher said, shaking his head. 'Arctic!' shouted Huldah, in a hurry to correct herself.

'Horatio, what seas and mountains on the south?' was the next question.

Horatio began cautiously. 'Afric-,' but

Medit-,' was the kind teacher's aid.

'Mediterranean, Black, Az-,' said the

'The mountains, now,' said the master. 'Cau___.'

'Caucasus!' said Horatio, catching the name. 'Right. What river, mountains, and sea on the east, Sidney?' was the next question.

'Volga,' said the pupil, when the frown again stopped him.

U-Ur ---- drawled out the questioner and prompter.

'Ural Mountains, Ural River, and -----,' said Sidney, hesitating again.

'Casp-' said the teacher.

'ian Sea!' shouted the boy.

'Good. What ocean on the west, Austin?'

'Atlantic,' was now the prompt reply.

'Amanda, where is the White Sea?' said he.

She replied, hesitating, 'In-the in-the in-the

'Nor-,' was the ready suggestion. 'North of Asia,' said Amanda, with confi-

'Why, you are reciting about Europe,' said

'North of Europe,' said the girl, correcting

will be fixed at the mast-head, so that in dark strain at a gnat and swallow a camel,' conhappen, boats have been provided capable of in Tyndale's and Cranmer's translations, both thousands. Thus she will have two screw

These curious structures, the invention of

ered down gradually to low water mark, taining the elements of a speed heretofore un-If we mistake not, the success of the Great eyes than the Chinese. On marrying, they whence, on the ensuing tide, the vessel will be known; and if hereafter coal applicable to the Eastern will constitute a new era in the art of shave off their eye-brows, and blacken their floated off. The operation may thus be per- purposes of steam can be supplied from the aggressive war. We question whether Europe teeth with some iron rust and acid, as a badge formed as slowly as may be found convenient; mines of Australia, the carrying capacity both during the course of the present contest has not of the marital state-from which they become or if upon further consideration, more rapid for cargo and passengers will be proportion- been more struck by our enormous power of most repulsive. launching should be thought preferable, it may ably increased. The great length of these moving suddenly large masses of men from one be adopted." ships will undoubtedly, according to all pres- end of Europe to another, than by any other UNACCOUNTABLE RESULT .- If you take a Astonishing as are all the proportions of this ent experience, enable them to pass through operation which we have performed. common tuning-fork, and hold it near the ear, monster ship, of course it will not be supposed the water at a velocity of at least fifteen knots The Himalaya, as she steamed up the Bos- in a line perpendicular to the horizon; and while that mere size is claimed, either by the en- an hour, with a smaller power in proportion to phorus, filled the lazy Turks with astonish- it is made to vibrate turn it slowly on its axis, ment; and the cloud of steamers and sailing the following phenomenon will take place: the gineer or the compeny to which she begins, as their tonnage than ordinary vessels now reany merit independently of the substantial ben- quire to make ten knots. vessels which carried the allied army to the sound will decrease during the revolution, until, Speed is, in fact, another result of great size. shores of the Crimea, has been dwelt upon as for an instant, there is perfect silence, and as efits which accompany it. Her length is not her only advantage. In. It is belived that by this speed, combined with an exposition of maritime magnificence such as the revolution proceeds, the sound will gradudeed, length in a steamer is merely a compar. the absence of stoppages, the voyage between the world never witnessed before. What will ally increase, and be as full as at first,

manner in which the poor scholars were taught. But we believe we have said enough to ena- The teacher asked the questions, having first. ble those who have not visited the rising edi- designated who should answer, and then when The report of the directors for the year 1853 fice to realise the vast extent of this latest ex- there was the least besitation he prompted rushing through the night in full career-an actly where he left off and finish the word or

A CURIOUS ERROR.-Professor French in his

It was the custom of the stricter Jews to transgress the Levitical law.

THE BELLES OF JAPAN .- The young women, so little room that half a dozen of them of a elaborate arrangements of hair, though rather large size can be stowed away in the same ungainly in gait, owing to the use of clogs, and space as would be occupied by an ordinary wearing about the hips an awkward compreslighter complexions, have also much better