HASZARD'G GAZETTE, JULY 7.

mill ses paly be perfeetly distinat from each other
in their working, but esch will be seet in motion
by several sets, of machinery of superabondant by several sets, of machinery of superabondiant
power, the that at all times deragemente or
oleining of one or two eylinders or boilers will leining of one or two eylinders or boilera
aot
Sinterfere with the progress of the ship. not interfere with the progress of the ship.
Steam will be the sole propelligg power,
canvass being contemplated in this vesee. ixing the great size of the Leviathan, its projecto,
elieves that he has obtained the elements of ipeed hitherto unknown in ocean-going steament of the Leviathan, she will be enabled to pase
through the water /it an average speed in all power in proportion to to tonarge than ordinary
vessels now require to matike ten knots. The contraet epped of
is eeghigh knots.
We believe
We believe that the Eastern Steam Navigation umpany intend makking their first voyage Haven, the company's etarting. point, to Por orts be tonched at. A speed of fifteen knots or ailes an hour averaged from land to land would hirty-two days. This eano only be accomplished
ven at that high apeed, by avoiding all stoppage or coals, which, beesides detainipg a ship man ays in the different ports, earries her a grea
distanee out of the direet steaming course.
Her we find another nuvelly brought to beer. by Mr.
Brunel. A ship of this huge eapacity ean earry Brunel. A ship of this huge eapacity ean earry
twelve thousand tons of coals: quite sufficient, in stated, for hor consumption on the outwar
and homeward voyages. Space will still be lefi
and for five thousand tone of eare win, the massive
machinery, and four thousand peseengete with machinery, and four thousand pasaengete wi
their luggage and all neoesary sioree for ase.
The advantage of this arrangement is two-lo The advantage of thie arrangement is two-Told on the vogage, the ship eaross all the freigh viesh muse otherwies have been paid to sailitg
vesees for the conveyance of the fuel to the coaling depote, which, on three-fourths of the aranity consumed on one royage would amoun a evm sufficient to build and equip a steame compensate for the great lose of weight easued by arintain an equal immersion of the paddiles, water pumped into the water-tight conupartment orming the skin of the ship, and of whileh we hrail presently have oecaaion to apeak. In ad-
dition to this arrangemeut, the paddles have been adjusted on the wheols as to be as efficien It is impossible to judge of the future finish ceommodation of such a a gigantic ship as the
eviathan from the present state of the iron hull namense divisions of metal plates, reaching to an ugles, appear to divide the monster fabrie inito gues, appear to divide the monstet fabric into
anber of square and ablong spaces, each of hich woold contain an eight-roomed house amden Town build, or a semi-detached.
roa Stockwell, at fory-pounds per annum.
We inspected a model of the We inspeeted a a modyel of of the ship in wood, an
cold scarcely believe that the unsightly mas and acarcely believe that the unsighty mass
ron plates, rivets, and joints, just beheld, coul any possible ingenuity bo wrought into any ching so beautifully symmetrical as the long,
arowalike litte eraft before us, tapering o
forward as sharply as a woodman's hatehet or Thames wherry. From that model we were enabled to understand where the engines, coals, where the two thousand flist-class passengen ould be terthed, in their five hundred stat and steerage passengers would be placed, withou passenger or much erowigrant ship.
rovide a main-deck anat ateamer be, which caa and forty in widdth, and fifteen in height: with a fuot or two less in height. The Leviattan an hese, and they appear but as small compartment the huge interior.
It would prove a fortunate circumatance f of steam rrausporits to the the seat of war, if wha this
then noment. There are just now two divisiuns of ready to be army, of ten thousand men each
reaned to the seenee of their future
 ne of those divisions entire, with horses, , (ooder
rillery, and ammunition ; it could land thes en thousand men, with proper arrangements, in he Crimes ; eould return and earry the seeond Marseilles for the second time within one month

## It has been deemed

It has been deemed an achievement worthy
nention, to convey an entire regiment of ligh valiy from Bombay to the Crimea, by way of
Red Sea and Egyt, in about iwo months. If the ealculations ags to speed of the Leveiathan
correet-whieh more learned heads than ours eclare them to be-then the iron ship could ave eonveyed at least haif a dozen regiments
avalry from Bombay to Balakkaz, Gy way
Cape of Good Hope and the Suraits

 prineiple instead of the plate-and-rivet mettiod, chips as are owned by our large eemmereiel
companies. Certain it is that the Leviathian companies. Certain it is that the Leviathan
Theld not have been built, on the wooden system.
The mightiest giants of fdidian forests, of fabulous age, in counless numbers, would not have
guffieed to produes a ship, of half hher size.
Strength enough eould not have been obtained Srength enough could not have been obtained
with hie moat ponderous masees of timber-work, with th
hraced
copper,
maehine anehinery, ane living beings. Yet the mongte
of which we are now writing, so new in it of whieh we are now writing, so new in in in
various aplianees of power, so wonderfol in ite unheard-of eapaeity, is composed or
ron, less than one inch in thickeness.
Ton, less than one inch in thickeness.
The seeret of the great strength
The seeret of the great strength attained by
his comparaively small amount of metal is in
he peculiar strueture of the hull. It is built he peceliar strueture of the hull. It is built
hirouphout, in distinet eompartmenta, on the
prineiple of the Britannis Tobular Bridge, and prineiple of the Britannia Tubular Bridge, and
when finished will be in faet a huge tubular ship. The priaciplee of that strueture need not here
be dwelt upon. It will soffice to explain that the whwlet opon. It will suffiee to explain that the
whis veseel will be divided into ten thage, water-tight compartments, by means of ironPlaereby thedi arg fared abope the water-line. In
taddition this great safeguard againet aecident, dditirifot this greas safeguard againet acoident,
he whole lengh of the ohip, exeept where she
apera of at either end, is protected by a double tin of metal plating, the outer one being distant
These double inree feet from the interior. Theese doesbes
anblar sides are carried to far above the doepeest water-mark, and ineasmeeh as the transperse
sulkheade extend to the oater of these akine, they vilkheado extend to the oater of these akinge, they yone or two of which, though tornor freeture ney or safety of the ship.
Besides the great tra
Iluded to there are two enormisusly
satronge os atern, each furty feet from the inner skin, and arried to the apper deck: adding greaty to the
olidity and saffety of the vesael. The mein volidity and saferty of the vessel. The mai
compartmente
ave a have a means of communiestion by iron olidinge
doors near the top, easily and effectually closed doors near the top, easily and effeetually closed
in time of need. In this way
not only
are all the most exposed portione of the ship double-
ecinned, but the body is eut up into great
number of very large but perfecty distinet fire-and-water-proof compartmente, forming, indeed a rook to peneetrate the double akin, and make
anarp way into any one of these compartiment might fill with water without any detriment the reet of the ship.
One of the most
befal a vesseel most terrible ealamities that ond ond iron water-tight bulkheads would seem to defy
that destroetive element sufficiently; but, in order o make assuranee doubly sure, the builders are oxperimenting with a view to employing only
prepared uninflammable wood for the interior prepared
itirge.
Sueh
Sueh is the Leviathan. She is to be launched,
alike y means of hydraulic power, and early in matert pring, is expected to make, a trial trip to the In eontenplating this Brobdignag vessel, our mail aequaintance with things nautieal, dwarfs ing the Isle of Dogs, we had imagined that we nd marine eng aequering. One of the Leviathan年sions.
With a Brunel for designer; ; with a Stephenson
an approver : A Scott Ruseell for builder; with rofessor Airey in charge of the compasees, a wuductors; the Leviathan may well be expected
and the astonishment of the South Sea islanders whe
the u. s. arctic expedition. ady ranklin's fablet to uigr uusband, \&
The Propeller Arctic and Barque " Release" left the Quarantine station, New Yorl, on
friday 2 d inst. for the Aretio ocean, in orde o seareh for Dr. Kane and his companions
These vessels have been fitted out by the U. tates Government, and the expedition is under the Command of Lieut. H. J. Hartstein, a o. do. From a lengthy description of thes vesele and their outtit, in the New York Herald of 5th inst, it would seem that no pains
or expense have been spared to render the expeition as perfect as possible. The ships are hought they will first make for fi.isteinberg ill be bought. They will then run to Upernavik, and on to Cape Alexander. Here Kane was to leave a sapply of provisions, and here



 Sir-I
Sir-I almost fear the oxpedition will hav ailed before this reaches you, but weend you
the enelosed on the chance. One is a chart on which Capt. Inglefield has One is a chart on
which mame notes be useful, the other is the Aretio whacens, which contain the brief summary of
ane vorage up to Smith' Sound, whieh I heve
not proviously sent, I think. I wish I knew not previously sent, I think. I wieh I know
What way I could be of any service to the
expedition. Wishing them all the suceese they deserve, and that they may return with
Dr. Kane and his party in the autumn, I reLady Franktin aleo sent a requeast to Mr. Lady Frankfin also sent a request to Mr.
Grinell, hoping that the American expedition would tahe ooug a humble tablet in memory of ger devoted husband, and place it on Beechy sland. Time did not permit her to get the
nemento executed in London. This fond wish was at once complied with, and the tablet wae inished in New York, and given in charge to
Lieut. Hartstein. It bears the following in-

$$
\begin{aligned}
& \begin{array}{l}
\text { all their gallant Brother Officers and faithfat } \\
\text { companions who have enffered and }
\end{array} \\
& \text { perished in the causeo of } \\
& \begin{array}{l}
\text { secieneecen and the sier- } \\
\text { viee of their }
\end{array} \\
& \text { HI8 }{ }^{\text {comantry }} \text { BLET }
\end{aligned}
$$

$$
\begin{aligned}
& \text { mear the epot whero }
\end{aligned}
$$

$\begin{aligned} & \text { Expedition the moentiond devoted } \\ & \text { and affectionate of }\end{aligned}$ Thie stone has been intratted to bo affized in ite
llace by the officers and cerew of the Amerien Easpedition, commanaded by LLeieat. Hat Americen
earch of D . Kame and his companions. Dearch of Dr. Kana and his companions.
Dr. Edward Kane left the U. States in the in searpedition which sailed from that country companions. Kane retankid and his misein not hopoleess, and owing to his exertions, aiding was induced to again fit out the Adrance, and send her on another miseion of philanthropy
and scoientifite diseovery. The Adevece sailed in 1853, under the command of Dr. Kane, having
sixteen men for a crew. He has been absen since that time ; and. when the harrowing aarrative of Dr. Rae, respecting the ultimas
fate of Franklin was published, a feeling of universal alarm for his safety was at one
exhibited, which has been extending daily to the present period. Capt. Collingon didy no oring any tidings of the Adrance, the convietion is
now mettled on the publiemind that he has eithe perished in the ioy regions or left them a gooc
hile since, and is now on his way home. While since, and is now on his way home government to appropriate the sum of $\$ 150$, ,
000 to be expended in fitting out, manning, and naintaining, another force of navigators, ready
0 venture their lives in a gearch for their missing countrymen. It is earnestly to be
hoped, that their efforts may be crowned with hoped, that their efforts may be crowned with
suceess ; and that there may be no further oecasion for visiting the inhospita
dangerous regions of the Aretic ocean.

Neariz mwo Mithoons at ansole Dasin.The Steamer which lef this port yesterday. for
Liverpool, carried out nearly two millions of Liverpool, carried out nearly two millions of
specie, or to be more precise, her shipment in England has made a loan of sixteen millions of pounds. It has been taken up aceording to
the terms, she must be furnished with cas from this loan to the extent of about eigh millione of dollars a month. Her capitalists therefore, are calling in their money from al
quarters on account of the pressure of this loan guarters on accountorthe pressure tonishing this; but thus it appears, that with-
out having anything to do with this horrible -uropean war, we are compenied to eontribute state of things continues another year, what sides of the Atlantie, or a flood of paper money
sity to be followed by another explosion, pernaps.
If we feel so direetly the cosi of liolding the
Allies Allies before Sebastopol, what will it cost to
take the town ${ }^{2}$ The news Europa brings is
said to be very interesting.-New York Herald.

