
[Reported O\#fcially for the Scientific Amertcan.]
LISTOFPATENTCLAIMS Ireued from be United Statea Patent Offlce.
for the weer ending march 7, 1855.

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 the construction of the ellippoiilal oven in
forth, arraned in contact at hee ront with
corrugated fire back and detaclimble ash box.
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to the head stock.
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ent Vol. Scl. Ax.]
















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 ExTr Acring STOMPS-W. W. Willis, of Orange, Nass.:
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 [An engraving of
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lay it on the ground at the rear ofthe machine, as deseribed



129 iron steamships were launched in the Clyde in 1854.

## Messrs. The Age of the World.

## your

 Age of the World," which have appeare in late numbers of your paper, you favor the biblo-geological view as to that age, namely the view that the six days of creation spok mean the six million ages of Genesis, may mean the six million ages (or the six indefi-nite periods, however long) indicated by geology as the time taken to complete that cre ation. Let us look into rather than merely glance at the account of those six days.-
"In the beginning God created the hearens and the earth. And darkness was upon the face of the deep. And the Spirit of God moved upon the face of the waters. And God said, Let there be light; and there was light. And God divided the light from the darkness. And God called the light Day [then, as now, the time during which the light of the sun was upon one hemisphere of the earth,] and the darkness he called Night [then, as now, the time of the absence of the sun's light from the same hemisphere] And the evening and the morning was the first day "-that is, from the commencement of the first "Night," which commencement was "in the beginning," to the expiration of the first "Day," which was the close of the first period of sunlight upon the earth, was one day-one revolution of the earth upon her axis. You say: "no, such is not a proper 'rendering of the passages. The 'Day' spoken of could not have meant one period of sunlight upon one half of the earth; because the sun was not created until after the close of the third "evening and morning." Well, supposing it admitted that your objection is valid, then it devolves upon you to explain in what, exactly, the process of dividing the light from the darkness before the sun was formed, differed from the same process after the sun's formation ; also to give the precise meaning of the evenings and mornings before and after such forma-
tion. Will you do your readers the favor of answering the requirement.
G. M. Everett.

Phillips, Me., Feb. 26 th, 1855.
[It does not devolve upon us to explain the process of dividing the light from the darkness," but upon those who assert that the first day named in Genesis was one of our ordinary solar days, and yet assert that the sun was not created for some days after wards. Our correspondent mistakes our views if he supposes that we have imbibed positive opinions respecting the geological dispute relating to the great age of the world, as being in harmony with or opposed to the common belief respecting the Genesis account of the six days of creation. We have signed the statu quo for the present, waiting for more scientitic light; and it does not devolve upon us at any time to prove a negative. We said, that Mr. Mean's argument against the solar day theory, for the first two days of creation, was incontrovertible. We speak for ourselves, because we cannot gainsay.it. We all know so little about the ways of the Infinite Creator in making our world, that it becomes us to be very modest.
Hugh Miller, who is an adrocate of the in terpretation of the days mentioned in Genesis being great periods of time, advances sci entific facts, as proof of this, against which we have nothing to set up, nor have we seen anything to meet them. Thus, the present coast line in Scotland has not changed since A. D. 140 (this is positive,) and that, since this is so, the "old coast line" must have hausting the for thousand years, hronology "And get" he says, "what a mere begi ning of geologic history docs the epoch of the old coast line form. Not a single shell seems to have become extinct during the last six thousand five hundred years. The shells which lie embedded in the subsoils beneath the old coast line, are exactly those which live in our seas.?
He tells us that he has found shells above this old coast line on hights varying from wo to nearly fourteen hundred feet, and
same as those found now on the shores of Ice land. Some of these he found six miles from the sea, on the tops of dizzy crags. He thinks that owing to some change in the Gulf Stream, nearly all Britain was once submerged in a sub-arctic ocean, and that it existed as a scattered archipelego of wintry islands. And yet there are evidences that, at a remoter period still, Britain was above the water, existing as a larger country, and enjoying a tropical climate. Then the ele phant, the rhinoceros, the hippopotamus, the hyena, and the tiger infested the British jungles. In the course of thirteen years, two thousand elephants' grinders and tusks have been gathered from the sea bottom of the Norfolk coast. These elephants must have belonged to a number of generations, and roamed over a vast area. Those great changes which have taken place at various periods in the history of our globe, have left behind them such testimony of its great age (reasoning from a certain unit of history the present coast line,) that we cannot find a single argument nor fact to comblat them with.

## ther and Steam.

La France, a large French steamship, has been fitted up with M. de Trembley's combined ether and steam engines. In a voyage from Marseilles to the Black Sea, it made nine knots per hour, but with what economy of fuel we have not been able to learn. As described on page 405, Vol. 8 Scientific American, the exhaust steam is employed to heat ether in a separate vesse into vapor, which is admitted to work a pis ton in a duplicate cylinder, [like a Wolfe engine,] where it is afterwards condensed by surface contact, and the same ether used over and over again. It is expected, and has been asserted, that such a combination must effect a great saving in fuel. We cannot see how this can be, and we believe it will so turn out. The boiling point of ether is no doubt very low- $96^{\circ}$-but its vapor is dense in proportion to the difference of its latent heat to that of water, hence we cannotsee how it can be more economica than steam alone. With all the care exercised, it has been found impossible to pre vent the escape of the ether vapor, which makes its use both dangerous and disagreea ble.

## Obituary.

Robert Mills, Civil Engineer, died at his residence, Capitol Hill, Washington City, on the 5 th inst. He was a native of Charleston, S. C., but had resided for a number of years in Washington, and was the planner and superintendent of a number of the public works of that city. He possessed many sterling qualities, and was beloved by a large circle of acquaintances. He possessed a very original mind, and was distinguished for his practical abilities and mechanical genius. He was a frequent correspondent to the Scientific American, and on page 369 is an illustrated view of a very original plan proposed by him for the Pacific railroad. He was architect of the National Monument, and the designer of other public edifices. It is eported that he was ill treated by the " Redtapists" at Washington, with respect to some of his designs, and this so affected his mind, as to have beenthe causeof his death. Memento Mori.

## Rallways in Virginia

The yearly railway list of the American Railway Times gives 21,310 miles completed in the United States, and 16,975 in course of construction. Of this sum, 837 miles of inished road are assigned to Virginia. Our usually correct cotemporary is here mistaken. It could hardly be expected indeed to bring up the figures of so many lines, in constant course of extension, to a fixed day with absolute precision. According to our reckoning, Virginia had in operation, on the 1st of January, 1855, one thousand and thirteen miles of railway, not including the Baltimore and Ohio road in this State ; besides some eight hundred under contract. [Win. some eight hundr
chester Virginian

