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All communications to the Editors must comfree of postage, or they may not be attended to.

THE GOLD REGION.

Observations on the gold region and gold mines of North-Carolina.

The hilly part of North-Carolina, which runs through the State between the mountains and the alluvial land on the sea coast in nearly a northeast direction, comprehends a large and interesting portion of country. It has long received much celebrity for its mild and healthful climate and the fertility of its soil, which is perlars adapted to a greater variety of agricultural staples, than any portion of the Union. But, besides these inestimable advantages, which it is admitted to possess, recent discoveries have already demonstrated, that it may vie, per-haps with any portion of the known world, in the richness and extent of its mines also.

Ores of iron, copper, silver and mercury, which have the appearance of being very which have the appearance of being very rich and abundant, are frequently met with, almost every where, but at present, claim little attention on account of the rich and extensive mines of gold, which have become almost innumerable, and appear not likely to be exhausted by the skill and industry of man. The sands of nearly all the rivers and water courses are auriferous; and the poorest mines, which are at present wrought, are said by competent judges to rival the gold mines in South America both in the richness and abundance of ore, while the richest of them certainly exceed those which have been described in any other part of the world: and should a judgment be formed from the promote for several years past and which is almost daily advancing, it must be conceded, that the richest and most abundant mines of this precious metal within our reach, are yet

From the geological features of this por tion of country, it may be considered of se-condary, and perhaps of volcanic formation. The rocks are principally, silicious slate, greenstone, quartz, feldspar, hornblend, petrosilex, basalt and wacke, in different varieties and modifications; but nearly all of them exhibit a tarnish and other evidences of decay. The slate is however the most abundant, and is found of almost every colour, and from the softness of steafite, or soapstone, to that of the most hard and silicious kind. The soils have a red, a white, or a gray appearance, and are evidently formed by decomposition; the former principally of iron pyrites, the second of the softer species of slate, and the latter of sulphurated iron and quartz, and often consaily admitted as the gaugue of the precious metals and precious stones.

The whole of this formation seems both

in analysis and appearance to resemble an ancient lava, the upper part of which has become measurably decomposed by the lapse of time. The rocks which have been enumerated, have been classed among the ingredients of compact lava, and the appearances they exhibit of having been subjected to intense heat, and the existence of other substances which are found among them, such as plumbago, the specular and micacious oxides of iron and putnice stone, are too strong evidences of volcanic action to be disputed. Abundance of iron and copper pyrites are found both in the soil and in the rocks; and native sulphur is sometimes found sublimated in the cavities of the Mineral springs are very abundant, and in dry seasons the waters almost every re exhibit traces of iron and copper. That the upper part of this crust or formation has been the most subjected to decomposition, is proved by the digging of wells, n which the earth is generally found to become more firm until it assumes the character of a decomposed rock, which increapenetrated to considerable depth without them to commence, the commotion of not to need a curb or wall to prevent its

dred miles apart, and found at a considerable depth; and they bear a great similarity and appearance to be a species of greenstone slate of a bluish color, considerably mixed with quartz, which was sometimes in chrystals. The water of nearly all the wells, as well as that which rises in the gold mines, is more or less impregnated with minerals, and is generally of a chalybeate mature. The lower part of this crust may perhaps be considered as composed of a firm and solid rock; and from the characteristics of this whole formation it may be sustices of this whole formation it may be sustices, and especially at the deposite of the mouth of the Ohio, making a point the interior information could be obtained, represent the interior information could be obtained, represent the the water hands of the Mississippi, which is used private in the vicinity of this was perhaps nearer their centre of action than any other place. These latter mine correspond prescribed by Mengo Park. At this place, the lawa likewise seems to have the interior information could be obtained, represent the dark the maxing of the earth to have equal-the any other place. These latter mine correspond prescribed by Mengo Park. At this place, the lawa likewise seems to have the interior of Africa, described by Mengo Park. At this place.

The lower private in the vicinity of this the western kinds of the Mississippi, which the section than any other place. These latter mine correspond prescribed by Mengo Park. At the interior of Africa, described by Mengo Park. At the interior of Africa, d nature. The lower part of this crust may perhaps be considered as composed of a firm and solid rock; and from the characteristics of this whole formation it may be suspected to abound in verias and beds of different kinds of valuable minerals. But at a period much more recent than its original formation, and perhaps contemporaneous with the alluvial part of the State, for one part of the gold into larger particles. In some they advanced; and when they arrived at a certain fearful height, they would burst longest in cooling, the quarts is almost and vomit forth inimense volumes of water, wholly separated from the cest of the lava, and appears in compact and homogeneous the waters, which evidently covered it at no very remote period, the whole of this country seems to have undergone a tremendous revolution, from the rage of subterranceous fires, which brought into existence. Passing from this place to the eastward, or rather nertheastward, no decoster of a size sufficient to swallow up a house; but in the intervals of the earth resembled waves, increasing as instances, and especially at the deposite they advanced; and when they arrived at a certain fearful height, they would burst and vomit forth inimense volumes of water, sand and pitcoal. The chasma thus made were always in a direction from southwest on orthest, and they frequently occurred within half a mile of each other ard were always in a direction from southwest of a size sufficient to swallow up a house; but in the intervals of the same right in which the fatal earth-

the western, or southwestern part of this region, and meeting resistance from the structure of rock, composing the lower part of its formation, passed along under it in an eastern or rather northeast direction, raising it up to a considerable degree, and send-ing up streams through the fissures and rents made in the rock by its heavings, with sufficient force to reach the surface, and sometimes throwing up considerable por-tions of the rock itself, in the form of hills, and gushing out in burning torrents at their base. The former of these streams may perhaps be considered as composing the vein mines, and the latter, what are called the deposite mines of gold, found at the foot of the hill and covered to some little depth, perhaps by the washing of the earth from the hills upon them.

The vein mines commonly appear in ob-long slips, their longitudinal direction bear-

to the east of north, and corresponding with the direction of the veins of rock throughout the country; and they com-monly rise to the surface from the west, in mony rise to the surface from the west, in an engle of about for ty-five degrees, but frequently appear diverted from this, which seems to be their natural course, by some obstruction in their passage. Only a small ed the surface; but when only one has done so, a considerable number of others may generally be found near it, at different depths as if the fissures through which they burnt were made at different periods of this great nunotion, and the lava sent up with differ-

commotion, and the lava sent up with univer-ent degrees of force.

The contents of all the streems or veins appear to be of the same age; and, although at a distance from each other, they often exhibit some shades of difference, perhaps from chemical or accidental causes; they are nevertheless essentially of the same omposition, and may be considered as a ellular or porus lava, the prominent ingredients of which are quartz, iron and sul-phur, but are intermixed with almost every known mineral. They are always securely coated round with what is called tale or scapetote; but this substance seems to be principally composed of alumino and silex, and to bear some analogy to volcanic ashes. All of this lava appears to have cooled with considerable rapidity, and the top of the voins to have cooled first, and in such a manner as to have afforded a passage for exhalations from the lower parts, entil their results of formation, which this stratum is of present described. That thickness and extent, and likewise made rof the Navy; this brancher of the Navy; this brancher of the Navy; this brancher of the nave could first, and in such a matter they contain, and their increased of Admiral Digby richness the deeper they are followed. The thickness of the crust of formation, which its stratum is of present described. That this stratum is of present described. The thickness and extent, and likewise made rof the Navy; this brancher of the Navy this brancher of the Navy; this brancher of the Navy this brancher of the Navy; this brancher of the Navy; this brancher of the Navy the Navy this brancher of the Navy the Navy this brancher of the Navy this brancher of the Navy the Navy this brancher of the Navy the exhalations from the lower parts, antil their heat subsided. In following these veins in their descent, the top rock, or that part nearcut the surface, is always the most hard and firm, and contains the most quartz, and is frequently intermixed with the white archest of iron and sulphurite of different appearances. It is so poor in gold that it is seldem if ever wrought.

Owing to the variety of minerals, and owner the surface, is further corroborated, by the appearance, is further corroborated, by the appearance of the ledges and owners.

coving to the variety of mineries, and cospecially to the quantity of sulphur control and in this lava, it is constantly undergoing a decomposition. The black sulphurite of iron becomes converted into the red of iron becomes converted into the red of iron becomes converted into the red of these to exhibit traces of heated vapours and exhalations having pussed through them deat marks of corrosion and decay. This process is, however, favorable to the development of the same manner and with the same sub-

known, but it is certain that they abound from South Carolina to Virginia through ses in hardness until it becomes firm and out the whole region, which has been de-compact. Sometimes this rock is found scribed, and are perhaps of much greater within a few feet of the surface, and can be much difficulty, while it is sufficiently firm earth which occasioned their existence. appear to have been most violent: and caving in. Similar results have been ex- the streams consequently more frequent, eaving in. Similar results have been ex-perienced in digging for gold; and some and disgorged a greater portion of their mines have been abundaned at no very con-contents upon the surface, which, in some siderable depth on account of the difficulty places, by subsequent decomposition, has described, is abundantly proved by the earth-formed a rich and aurilarous soil of conquistos, within the memory of every one, vein of ore has burst. I have seen specisionable extent. The deposite mines, as and which seem to have been felt through-

where any have been discovered. I have frequently observed volcanic stags, and send-quently observed volcanic stags, and send-times considerable portions of is lava which from their isolated state seemed to have been thrown through the airs. Thave never examined any of these, which I did not find auriferous, but most common, they were from their isolated state seemed to have been thrown through the air. I have never examined any of these, which I did not find auriferous, but most common they were lightly a small his children and they were slightly so, and the gold in very fine parti-cles. It seems probable, that, during these irruptions, considerable quantities of fluid matter were sometimes thrown into the air, and that the gradual diminution of their projectile force might be favorable to the aggregation of the principal part of the gold they contained into masses of considgold they contained into hacetes of considerable size; and this may perhaps account for the most considerable happs of gold being found at or near the surface and uncontacted with any mine. But in all cases whatever, throughout the whole of this region, the gold is found in irregular and in-determinate forms, and appears as if it had been thrown into small creek or amount

The similarity of the lava composing th The samilarity of the lava composing the gold ore in all the mines in this region, both in point of, age and composition, affords a strong condense that they were all brought into existence at one time and by one great commetion of nature. The deposite mines may deubtlessly be traced to immense beds underneath the adjacent hills, although it may be extremely probable that upon the cooling of these beds and the pressure of the hills, the connection between them and the hills, the connection between then and the deposite may be nearly or quite destroy-ed, and the upper surface of the beds be found much lower than any part of the de-

The vein mines seem to be derived from ing this strutum, may be supposed to differ in different places, and likewise to be more or less difficed to penetrate, but its average thickness may be supposed not much to ex-

processes, and the gold which, from its purity, stance, as the smaller masses of lava in the sexempt frem any chemical action, and only becomes liberated from its gaugue. At what place these streams or veins first a black persons riptus of several inches in make their appearance at the surface, and thickness, partially decomposed and considhow far to the east, or rather to the north-east, they may be traced, is at present un-particles. Near the top of a considerable particles. Near the top of a considerable number of large hills or mountains, as they sometimes called, which I have exam ined, I have never failed to find volcanic slugs, scorive, and other evidences of their having once inherited all the phenomena of volcanes; and the age of these appearance uniformly bear a great correspondence with the age of the gold mines.

That this part of the world is sometime agitated by commotions sufficient to produce all the terrible phenomena, which have been

country seems to have undergone a tremendous revolution, from the rage of subterrandous revolution, from the rage of subterrandous revolution, from the rage of subterrandous fires, which brought into existence to have disgorged less of their contents to have disgorged less of their contents of the same night in which the fatal earth-outset to have disgorged less of their contents upon the surface. The twa is likewise the people of this vicinity witnessed the west into the properties and more universally dissemilated agreed heart, was projected from the howels of the earth towards to have undergone a tremendation of the Reyal family, the vicinity of the same night in which the fatal earth-outset of the Reyal family, the vicinity of the same night in which the fatal earth-outset of the rest of the Reyal family, the vicinity of the same night in which the fatal earth-outset of the Reyal family, the vicinity of the same night in which the fatal earth-outset of the Reyal family, the vicinity of the same night in which the fatal earth-outset of the Reyal family, the vicinity of the same night in which the fatal earth-outset of the Reyal family, the vicinity of the same night in which the fatal earth-outset of the Reyal family, the vicinity of the same night in which the fatal earth-outset of the Reyal family, the vicinity of the same night in which the fatal earth-outset of the Reyal family, the vicinity of the same night in which the fatal earth-outset of the Reyal family, the vicinity of the same night in which the same nated among the whole mass, all of which seemed to proceed from the ground below the horizon seem to indicate that the commetions which produced them were less violent and of proceed from the ground below the horizon and were followed by peaks of subterranean thunder. To account for the phenomena thunder are pid in cooling.

In the neighborhood of these veins, and sometimes at a considerable distance from where any have been discovered, I have frequently observed volcanic above and the account of this evening, many reasons unight be given to induce a belief, that such an event as has been supposed once to have existed in this part of the country, did actually take melia Fitz Clarence, were pensioners on the place in the neighborhood of the Ozarke quently observed volcanic above and the account of Mrs. Jordan's saferings at the abrupt and were followed by peaks of subterranean produced them were followed by peaks of subterranean thunders. To account for the phenomena that the manner of it, as published at the time, was in a high degree touch of this evening, many reasons unight be given to induce a belief, that such an event as has been supposed once to have existed in this part of the country, did actually take place in the neighborhood of the Ozarke questions.

ir masses of liquid fire.
These brief observations are submitted to These brief observations are submitted to the public with diffidence, and more with a view of promoting enquiry, than as containing anything satisfactory on the subjects.

We now conclude our brief sketch of the theory. I have vonting the taining any thing satisfactory on the subjects they treat. The theory I have ventured to suggest seems to me at least probable. It is supported by all the facts which have come within my knowledge and observation; indeed it was exclusively suggested by them; and as yet I have found none to militate aand as yet I have found none to minimate a-gainst it; but I confess my opportunities have been limited. Should it however prove to be correct, this part of the country must certainly offer the most splendid field, for individual and even rational enterprise, which has ever existed.

Guarane County, Jures 49, 1830.

* Great part of the earth was covered with wa or and sand to a considerable height, and the chan-es made in its appearance are almost incredible."

BIOGRAPHICAL SKETCH OF

The throne of the United Kingdom is now. occupied by William the IVth, late Prince William Henry, Duke of Clarence.—It is boldly asserted that his measures will be like those of his brother, yet there are certain stubborn facts remaining in the public mem-ory, which have so seriously affected his character as a man, that it is impossible not

to augur unfavorably of the monarch.

The title of Clarence is different Clare The voir makes seem to be derived from a large horizontal stratum, which lies uning the lower ward HI. The present duke is the third part of the vent of formation, which has seen described. That this stratum is of 1765. He was destined as the future comhander of the Navy; (his brother of York had already monopolized the Army) and early in life he was commissioned a mid-shipman, and placed under the supervision

In this capacity he was present at the fa-mous fight of Redney in 1780. Two and twenty sail of Spanish ships were captured, and one of 64 sups was re-christened "Prince William Henry," in consequence of his bo ing present at the capture. Subsequently he visited New York, and files of old newspapers published in that city bear testimony to the great satisfaction his visit afforded some of the belles of that day. Many ancedotes have already found their way to the public eye in relation to his manners, appearance and pursuits while in port.

In due season the midshipman became a lieutenant, and as royal roads to promotion are generally short cuts, he was soon transed into a captain. We believe be com manded a frigate; but under what flag offi-

cer is not remembered.

In 1729 he was created Duke of Clare and St. Andrews in Great Britain, and Earl of Munster in Ireland, and had sixty thousand dellars per amoun settled upon him; pocket money for "the third calender, the on of a King," as the story book says

son of a King, as the story book says.

He was frequently attendant at the House of Lords, and gained some reputation by his facility in public speaking, and from advocating the cause of West India Colonists. as on e in favor of the Catholic claims, but found it convenient to change his opinion on the subject.

On the death of Lord Howe, he was pointed Admirai, and in 1814 hoisted his flag on board the Royal Charlette yatch, and took Louis XVIII. to France.
In July, 1818, he married Her Screen

Amelia Adelaide Louisa Cathamens of this rock at places, several hus- they are called, and which appear to have out the continents of North and South A. rine, eldest daughter of Goorge, late Duke

of Saxe-Memingen; by whom he had two daughters, who both died in infancy.
In 1927, upon a change of Ministry, the office of Lord High Admiral was revived, and the Duke of Charence was appointed to fill it; contrary it is reported to the wis hear of his brother, the King, who said, "As sure as you give William an office under his controul, he will make some terrible blunder." Sure enough, "William" did not belie the prophecy, he made a series of "professional visits" to the various ports, and as his prophecy, he made a series of "professional visits" to the various ports, and as his expenditure was most profuse, he soon cannot athwart the Duke of Wellington's haws, who having opinion of this Royal Munmery, refused "to pay the bill." The result of the professional professio Lord High Admiral was obliged to back later topsail, nor did he stop till he backed out of the scrape and the office together—and it was once more abolished.

Like all the rest of the Reyal family, the Duke of Clarence has indulged in diver-

new monarch of Great Britain. The impressions of him are unfavorable both at home and abroad, and the British nation have a great deal to dread should he be-prompted by evil advisers. In this country, we are apt to consider the theory of government by which the reigning families of Eument by which the reigning families of Eu-rope are sustained "as the medness of the many for the gain of the few." Who can tell what frightful dissensions may not occur between the accession of William IV, and the majority of the Princess Victoria? Or the testing of the came of which are and a regency for the latter, what avenues may not be opened to unchastened ambition? The present royal family is unpopular as well as incapable, and who can tell whether, in a fit of universal wrath at governmental abuse, and despair at oppressive taxation, these demesticated Hanoverians may not be drive. from the land in a storm of popular tumuit and indignation.

By often contemplating the spectacles of royal degeneracy as well as royal splendon, we will learn to value more highly republican simplicity and republican virtue. Ma a wise Providence guard us from the effori-of misguided factionists, under whatever of insignided factionists, under whatever banner they are arrayed, and long aver-from us the frightful conclusion to faction and anarchy, to civil dissension and public corruption.—Albany Daily Advertiser.

The whole length of the Eric Canal, from Lake Eric to the Hudson river, is 363 miles. It is forty feet wide on the surface, and four in

It is forty feet wide on the surface, and four indepth.

It is forty feet wide on the surface, and four indepth.

Lake Eric is 565 feet above the level of the Hudson at Albany. There are from one extremity of the Canal to the other, 84 looks, and the total rise and Ell is 698 feet; of which about 650 are full.

The entire cost of the Eric and Champlain Canals, according to the Canal Commissioners. Estimate, is \$7,519,995, or \$17,367 19 per mile; making the total cost of the Eric Canal, including that for looks, feeders, bridges, and all appendages, \$6,304,289 97. According to another estimate, that contained in the report of Mr. S. Wright, to the Senate, Feb. 12, 1827, the cost of the Eric Canal per mile was \$23,573. But in this estimate were included large sams paid for repairs, and for works not strictly appendages to the Canal.

The time required for passing the looks, is varied according to circumstances. We are not able to state the average detention. The general rate per hour of travelling, is about four miles; of transportation about three.

The amount of toll collected on the Eric Canal in one year, 1828, was \$727,150 20. We have no dement at hand to which we can refer for the rate of toll.

the table to which we can refer for the rate of tell.

There are no means of ascertaining the number of passengers who passed along the canal since its completion. The number of boats that arrived and departed from Albany during the season of canal narigation, in 1829, was 12,339. The whole quantity of down freight on which tell is charged by the ton, was 75,500. The quantity of merchandize, &c. conveyed up the canal was 33,000 tons. There were other articles of freight both ways, for example, down 18,000 cords of wood. 32,156 feet of timber; 28,180,284 feet of lumber; and 17,139 feet of shingles.

The number of passage and transportation boats is continually verying. They all belong to individuals.

soats is continually verying. They are belong to individually.

Two horses are generally used to draw the bonts, and sometimes three. They are usually changed thout every twelve miles.

The net income from the Eric and Champlair Canals from 1817 to Jan. 1821, was \$6,487,743 10. The net profits for the year 1829, applied toward the payment of the canal debt, amounted to \$471,528 22.—Northern paper.

"May you live in bad company," was consider ed by the ancient Greeks one of the bitterest impre entions that sould be uttered against an enemy.