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of manure, that variety must always

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The earth is not rendered fruit-

prevented by other agents.

a luxuriant meadow.

SAINT ANDREWS, SATURDAY, FEBRUARY 23, 1839.

Number 8.

15 16 17 18 19 20 21 Veryer, Manoranda.

Veryet time of Sun rise this day 530s, after
Do Sun set 20m tet el.

Mon's First Quarter, o the 24th at 1h 42

Do Full let 40m let; es

MONTHLY ALMAN

Doctry. STANZAS.

I had a mother once to watch, Beside my sleeping bed.

scothe my pains, and grievances, And bathe my acting head. To cheer me with her gentle words, Of tenderness and love. And guide my wandering heart to him.

Who ever reigns above, A tender mother, yes, she was And O! how dear to me! And when he childhoods happy hour, She took me on her knee, And listened to my infant tales, Or pressed me to her heart How little did Libink, ah! then,

That we so soon should part.

Oh! where are now those tender smiles, Which I was wont to see, Those words of fond maternal fore, Which cheered and gladdered me Al a! those lips which once did smile, In cheerfutness and health, Those eves which beamed with tender love Are lurever closed in death,

And shall I never more whild. Those features once so dear? Not hear those words of tenderness Sull sounding in mine out?
Ab.! so, the cold and silent grave Has bid them from my view. While I my weary pach thro' fite. Without her love pursue.

Death's icy and relentless hand, Has taken her uw.y. From all these transitory scenes, To realms of endless day: In the bright world of blise and joy, Where sighing is not known She swells the full melodious send. Of praise around the throne,

Then let us wipe the falling tear, Suppress the rising eigh, We ment beyond the sky. There in those pure and Where pleasu e never cuds, To spend a long elernity With that belived irroud, February 20.

From Dr. Gennet's first R port on the GEOLOGICAL SURVEY.

Of the Province of New Brunswick.

CHARLOTTE COUNTY.

SAINT ANDREWS

The great difficulty some have taste. latitudes, it is evident the forma- adapted to sandy tracts These nearer than L'etang tion belongs to an era remote, and remarks will apply to that subvery different from the present.— stance, wherever it may be found; of Oak Bay, occasionally making the bricks.

any recent period.

the earth, and can in some measure be explained by changes still lat heaps to the air, rains, and winer of one year, the copperas and going forward on its surface. dum will be dissolved and carried It may be laid down as a genera ule, that mart is useful as a manoff, while the calcareous and siliious particles will remain, and are, in proportion to the quantity of lime and potash it contains | hus the mass will become puri- eldspar, and quartz, which are ve and therefore the farmer, by ap-lied. In England, composts are olying acids as a test, can discover made, by which the astringent disseminated in small crystals. the richest kinds without the aid principle is neutralized. I roles- The quarry will be opened next or experience. But it should be sor Rogers, of Pennsylvania, has spring, and considerable advantage observed, that, although the lime recommended the application of a may be expected to arise from its and potash may be present, the small quantity of freshly burned discovery, as heretofore the granite mixture may contain other ingre- lime, which is capable of decompo used at Saint Andrews, has been dients deleterious to vegetation sing the sulphate of iron and all imported from the United States. or such as will neutralize the good umine, and producing the sulphate at a great expence; while it is now

the sulphates of alumine and potash The following are the results of greywackeslate were found, meet- the narrow gorge where the river (alum). These from their astrin- in analysis of marl taken from the ing the granite. The schistose passes. At Mill Town, there is a gent properties often render soil, upper sandy stratum at Johnson's rocks contain much sulphuret of considerable vein of the prites. otherwise tertile, perfectly barren; Cove: therefore in employing this kind

Lilicia Protoxide of Iron 20 10 Lame 6 45 Alemina, (clay) 12 40 8 20 Potash Water 4 .

ful by any single substance, it is by the admixture of different chemical agents the growth of plants is best promoted. Even on a small greater quantity of alumina, and tance. A large granite slan, pla- synite decomposes rapidly, and a farm several varieties of soil will a lesser amount of sand. The fer-cod at the door of Mr. Connick great quantity of these oxides are be found; one of these may require tilizing effects of these deposits de- ontains large crystals of feldspar, mixed in the soil. Large spongy a greater, and another a lesser pendupo, the proportions of lime schorl, and garnet. The same pieces are seen upon the surface, quantity of lime, while a third and potash contained in them; for minerals were seen in a large bould. having received their porous strucwould be improved by a dressing it must be observed that the latter er, by the side of the turnp.ke turn from the decomposition of the of sand. It is only by pursuing the is a most useful substance in the At Bortlett's Pond, there is a concrystals of hornblende and feldspar. science of Agriculture, and by soil, when it is uncombined with siderable formation of reddish side. The soil is rendered almost barren, careful observation that the agri- sulphur.

tile field, and the sullen bog into mains of shells and decayed plants a spot remarkable for its romantic grounds, an I bog iron ore is con-At several places in the County ous stratum which yields the old ur Mare certain proofs cannot be might be collected and worked, if of Charlotte, the marl is much in of marsh and, in consequence of required of a mighty rush of wa- the quantity be sufficient, a fact I

contains. For an instance, at John- ble matter it contains. son's Cove the stratum is covered The objects of this report would forded by the talus on the southern Porter, four and a half miles by a thin bed of sand containing not be promoted by taking a wi- side of almost every emmence in northwarl of St. Stephens, there I also had the pleasure of discov- the oxides of iron. These oxides der range in this part of the sub- this part of the Province. This is a stratum of graphite, (plumbaering this valuable substance in have descended by filtration into ject, nor is it necessary, if the infact is admirably displayed at Sand go,) or black lead, situated bethe state of Maine. At the Luber the upper portion of the mark we habitants will take the pains to ap- Point, and a small Island at the tween perpendicular strata of the Plaster Milleit has been interse the neath, where they may be seen ply to their lands those stores of head of Oak Bay, where the diluschistose rock. This stratum had ed by a deep canal, and from this filling narrow seams and often oc- manure which have hither to been vial debris is collected on the side been opened, and was supposed to single circumstance a knowledge cupying the places and impres- passed by unheeded. In Great of a mass of rock, upwards of six y be coal I was unable to example to ex has been gained, which has result- sions of the fossil shells, now de- Britain, I rance, and Germany, feet high. Circumstances of this ine its thickness, as the excavation ed in the discovery of other depo- composed and removed. This part mul is considered of vast impor- kind, I do not recollect to have was filled with water. The desits in that neighbourhood, and of the stratum would be injurious time and its lasting and beneficial seen noticed by others, and they mand for this mi eral is not adealong the American side of the to the soil, unless its astringent effects upon agriculture have been will therefore be referred to here-quate to its supplies. Besides Scoodiac. Subsequently the for- properties were overcome, when farly tested. In the U.S. land after. At the extremity of this being employed in the manufacture has been followed by the formation has been followed eastward- the sulphate of iron, and alum are which formerly sold for two dol- Bay, and five miles from its mouth ture of crayons and lead pencils, it ly to Saint John, but a perfect acpresent, they will be known by a
lars per acte, from the discovery the slopes gradually down to the is very useful in diminishing the
count of its whole range cannot white, or yellowish white efforesand application of mark. It the beach. Bricks are here made,—
friction of wooden machinery, and be given until farther examina- cence coating the marl, and by a County of Charlotte, i.s discovery but from the clay being connected its powder prevents iron from sweetish and highly astringent must be haifed with satisfaction, with the mari stratum, c ntaining rust. Not far from the above farm, found to account for what t ey Again, the upper marl stratum ness of the prize obtained. It can when exposed to the air and water, the rock was, however, found to s ipposed to be a change of level contains a considerable quantity of not fail to be an object of much Before the clay is used for this pur- be greywacke, which occasionally in the country is now removed, for fine green sand, which renders it importance to this part of the Pro- pose, it should be carefully exam- contains beautiful crystals of limas two of the species of shells found more applicable to stiff clay, than vince, for it will supply the place med, and that kind should be avoid pid quartz. The sulphuret of

by exposing a quantity spread in be opened, which, from its prox mity to the sea and river, would afford every facility required for the realy transportation of its contents. This rock, instead of mie: contains hornblende, united with ry pure, and white, and equally effects of the alkali upon the soil of lime, (gypsum,) a very useful known that a more beautiful variety of that rock is placed but a

compounds found in marl, destructiny a fair trial, but may not be ne- short distance from the town. sulphate of iron (copperas) and where pure marl can be obtained. up the Warwig, greywacke and with the greywacke, and forming iron, which, by being exposed to It was covered by the treshet at the atmosphere, decomposes, and the time of my visit, but a specicovers them with the brown oxide. men from the vein was examined, Near the mill, there is a consider-land its characters fully recognizable vein of iron pyrites; this, ed. Both of the above rocks confrom it peculiar metallic lustre, tam large quantities of this miner-had been mistaken for gold. It al, which, by the action of the air, is scarcely necessary to add, that is converted into the oxides of iron. 98. 55 in 100 parts. it contains none of that valuable At several places, and especially The lower stratum yielded a metal, and is of no practical impor- on the farm of Mr. MARKS, the

jured by the copperas and alum it the decompos tion of the vegeta- ters having passed over the coun- had not the means to ascertain. try from north to south, than is af- Upon the farm of Mr. WILLIAM

Indeed the occurrence of the beds and it is to be hoped that farmers an excursion into the interior a on the south side of the Bay, of diluvial detritus covering the will direct their enquiries to this short distance. Granite syenite several dikes of hornolende rock clay mark shells to the south side of the Bay, occurrence of the beds and it is to be hoped that farmers an excursion into the interior a south side of the Bay, occurrence of the beds and it is to be hoped that farmers an excursion into the interior a south side of the Bay, occurrence of the beds and it is to be hoped that farmers an excursion into the interior a south side of the Bay, occurrence of the beds and it is to be hoped that farmers an excursion into the interior a south side of the Bay, occurrence of the beds and it is to be hoped that farmers are excursion into the interior a south side of the Bay, occurrence of the beds and it is to be hoped that farmers are excursion into the interior a south side of the Bay, occurrence of the beds and it is to be hoped that farmers are excursion into the interior a south side of the Bay, occurrence of the beds and it is to be hoped that farmers are excursion into the interior a south side of the Bay, occurrence of the beds are excursion into the interior and occurrence of the beds are excursion into the interior and occurrence of the beds are excursion into the interior and occurrence of the beds are excursion. ly thrown upon them by a current astringent variety, and consequentof water which has overs, read the legisling the above the and trap, are the prevailing rocks. Were observed, penetrating distorting the shade of demestic remember about the properties of the grey wacke and countries and more permanent astringent variety. of water which has overspread the ly injure the character of the whole into each other, and have their greywacke slate. These rocks blessings than man, who is more exposed to whole country in the character of the whole into each other, and have their greywacke slate. whole country, is a apple testimony formation, they will apply the best component parts so mixed, that have suffered remarkable changes that those shells do not belong to kinds, and reap the advantages it is is frequently imp saidle to draw by the heat applied from beneath The appearance of clam, muscle, I be quantity to be applied to each Near the mouth of the Warwig, sulphur, being sublimed, has unitand scottop shells, like those now acre, must ever be regulat d by and belonging to the mountainous ed with the iron, and formed the adjustment flows ever tend upon our shores, in situa- its strength, and the nature of the chain already noticed, the grante sulphuret of that metal, or iron mote from the sea, and ele- soil, for it is impossible to give de- appears; and although in general pyrites. At one place, the greyvated far above the reach of the finite rules where circumstances most of its varieties are too coarse wacke contains a large portion of sporthers to be used in architecture, on the the decomposable variety of that the appropriate to be used in architecture, on the the decomposable variety of that the appropriate to be used in architecture, on the the decomposable variety of that the appropriate to be used in architecture, on the the decomposable variety of that the appropriate to be used in architecture. highest tides, must produce a tonishment in the mind of the tyro in
geology. But such phenomena ade to correct the noxious effects I discovered a beautiful kind, and rites of Phillip — (Fer surjure epig

orms sulphuric acid. This comines with the iron, and produces he sulphate of iron, (copperas,) vhich might be manufactured on he spot, without much expense.

t Oak Point, the granite rises to considerable height, and quarties night be opened within a hundred ards of the shore, The rock will supply pieces of large dimensions, out its crystals are too large in geaeral to admit of ornamental work.

SAINT STEPHENS.

At St Stephens, on the British side, and at Calais, on the American side of the river, there is a variety of syenite, which at tive to the growth of plants, are cessary in the County of Charlotte, At Connick's mills, three miles several places was seen alternating cious rock, containing transparent and vegetation is destroyed by the culturist can arrive at such a know- It is necessary to distinguish crystals of quartz. A chain of water rising from these natural la ledge as will enable him to turn these deposits from beds of clay small lakesholds a communication horatories. The oxides are carthe torpid barren plain into a fer- associated with them. The re- between this place and Chamcook, ried by the rains upon the lower

and time alone can show the great- lime, they often crumble down, limestone was supposed to exist; in the marl are extinct in these the lower stratum, which is better of lime, which has not been found ed which contains shells, for these, molybdena, a rare mineral, was by being burnt, are coverted into jound here, embraced by a mas

(To be continued).

Wowse. As the dew lier lorgest and produces most fertility in the shade, so wo and busiling satell ties of earth, whose sery

A dog was found by an apothecary on his or step, with a broken leg. The humane -her time after, the spotherary heard a scratching at the shop door, and on opening it, bound there the dog with another dog in