their organized power for good or evil, and THE SEA." ... Ed. Nov. to the comparative intensity of the popular, attachment to the state authorities. These are incidents to our federative position. which seem to require all men who love freedom, and duly prize our inestimable con stitution, that they should labour without ceasing to discourage theoretic jealousies of the general government, and to render its or dinary operations as palatable as they are salutary."

A set of politicians in fact have larely started in America, who zealously and boldly maintain the independence of each separate state. Dr. Thomas Cooper the President of the Carolina College has lately published a pamphlet "On the Constitution of the United States," in which the following dogma is advanced "The separate sovereignty efeach state in the Union never was at any moment conceded or IN ANY MANNER renounced." Upon this the Reviewer writes in the following monitory strain; and we think no better evidence can be furnished, that, even in the opinion of in telligent Americans, the machinery of their government does not at present move with that harmony and happy adaptation of part to part, which promises security for the present, and growth and permanency for the

" It is of course perfectly in character for him to deny to the national government the right to establish a national bank; to construct the Cumberland road, and other foreign manufactures, for the purpose of en ticans would set up, in place of the admirable government under whose protecting wing all parts of the Union are now prospering, would soon render us a by-word and scorn among the nations. Possessing no internal vigour, and commanding no resourses puppet of each of the twenty-four sovereignties at whose pleasure it existed....and whose various and clashing interests would render whole line should be navigable for vessels anything like unity of design or action, for the public good, utterly hopeless. It quite impossible that it once established, such a government could be of long continuance. The principle of coheston would be too slight to withstand the centrifugal action of " the separate sovereignties;" and the same generation that permits the national government to be shorn of the salutary and rightful power it now exercises, will live to witness the separation of its elements, and the exunction of the fairest of most hopeful system upon which the sun ever shone."

subjoined paragraph: -

"Chapter VI. treats of the "European the purpose of navigation. shall. Canada next !... when will their am ed the Missipsi Lake, which is considerably | Courier, 7uly 28.

us, to state our reasons for this conviction as picion be satisfied? The Indian Chiefs higher than the Rideau Lake, and is by fully as we would wish. It may be suffi complained that they wished to drive them comparison on the level of the Lake Erie. cient to suggest to our author that he has not beyond the setting sun; and we join Mr. By this means there would be a communi given their due weight, to the great and rapidly Bliss in the opinion that they are now desir cation from the Rideau to Rice lake, and increasing strength of some of the states, to ous of driving the British Colonies into lakes Simcoe, Erie and Huron, opening

COLONIAL.

RIDEAU CANAL. (FROM THE MONTREAL GAZETTE.) The operations of the Rideau Canal are now in a state of forwardness sufficient to impress us with an idea of the magnitude of the undertaking, and of the difficulties and facilities which may be met with in its progress. We are living in a canal-projecting and canal making ago; we cannot turn our eyes to the columns of a newspaper Moose River, (about half way between without meeting some intelligence respecting Digby and Annapolis,) and about three them, and on the service of every map the quarters of a mile from the mouth of the lines of a variety of canals intersect in every River .- It would really appear as if nature direction the tract of country intended to be itself had formed this place as a situation for represented. The canals of Europe are cer- an establishment of this description. The tainly wonderful in their conceptions, and water which drives the wheel which keeps pieces by the discharge, and scattered to the stupenduous in execution—but we doubt the bellowses in operation, is conducted ungigantic in the project, and likely to be so neither dry up in summer nor freeze in winastonishing in its probable effects, as the Ri- ter. In this respect, therefore, the Moose deau. To any individuals but those enter. River Iron Works has the advantage over prising persons who superintend the work, the greater part of such manufactories, as it would have been considered the height of Steam-Engines, which are attended with a extravagance to attempt to lead a line of heavy expense, must be applied for the above water through such tangled wildernesses, purpose in place of water. such muddy lakes, interminable swamps, most extensively throughout the route. In addition to the labour that must be undergone in surmounting these almost unconinternal improvements; to impose duties on querable fobstacles, it would be necessary to raise the watery element above 300 feet couraging our domestic industry; or even above the level of the Ottawa, and then of very superior description, both in point to erect national fortifications. The feeble descend 150 feet to the waters at Kingston of productiveness and quality of Iron procontemplated that Steam-Boats and other large vessels should float upon its waters. This, to many enlightened men and scientific Lieut. Colonel By intimated his intention sufficient to allow the passage of Steam-

raining ideas impossible to be realized. A little above Byville, the Rideau about 100 yards wide, and within the distance of 6 miles, three rapids are met with, after which there is a beautiful sheet of water without any impediment to break its 4d. per pound. smoothness for the space of 27 miles; and reviews of the same work we transcribe the it is shallow and abounds with rapids, but stands, and about 150 yards above the ought to be half an inch in diameter.

of that burden, he was laughed at as enter-

navigation through the finest part of the Canadas.

IRON WORKS IN NOVA SCOTIA.

In our last we referred to a new esta blishment of Iron Works in Nova-Scotia, with a promise to give this week, some account of them .- Our friends who went last week from this, parily with the view of visiting them, appear to be highly gratified with their excursion.

The works are situated on the East side of tinctly saw darting down the conductor, and whether from the period of the completion der ground by a lead taken from the River, of the canal of Languedoc, to that of Grand at a distance from the works of about 800 yielded itself to the fury of the blast. The Junction, any one has been thought of so feet, and which, as we are informed, will pointed rod was found to be fused and shor-

The Ore, we understand, is furnished at and rocky mountains, which latter abound a very trilling expense, the quarry being about three and a half miles distant .- We are not able to state precisely the cost of it laid down at the works, but we think it does not exceed 15 shillings per ton, at theand all this is not for the passage of duced. From some parts of the quarry, we barges and durham beats only, but it was are told, that in smelting it, it only lost 15 per cent. of its weight; the average, howequarry is supposed to be about 25 per cent. engineers appeared impracticable, and when or in words, the Pig Iron produced is 75 per cent. of the original weight. The quaof its own it would be the mere creature and of causing the locks to be made of a width lity of the Iron, when wrought, is highly spoken of by all judges of the article. Boats and other large craft, and that the

the works is from 20 to 30, and we understand that eight tons of Pig Iron and Cast-

" Soon after 1 P. M. we saw lightning; a little before 2 observed a very smart flash; looking at my watch, which marks seconds, I counted four, when the report followed; I felt no alarm, however, having frequently known it to approach nearer without any injury. At 2 o'clock we were astonished by another shock like that in the morning; the flash and sound simultaneous. I happened to be in the cabin with another passenger; a ball of fire seemed to dart down before us; at the same moment the glass in the round house came rattling down below. Those on deck agreed that the whole ship appeared to be in a blaze, from the vividness of the principal flash, which they dis-

agitating the water. All parts of the ship,

as before, were filled with smoke, smelling of

[Concluded from the last page.]

"The ship was again thoroughly examined. The conductor had been rent to winds; small fragments of it were found on deck; in saving the ship it had literally tened several inches, and covered over with a dark coating; some of the links had been snapped off and others melted. The whole operation was singularly striking, and affords another of those rare cases where the conductor yielded to the violence of the shock, while it effectunally diverted the bolt from the object it was designed to protect.

This was a property of the rod, of which Franklin was satisfied very early after the application of a theory that has disarmed the lightning of heaven. One of the earliest cases which fell under his notice, I believe, occurred in one of the Dutch churches in New-York....a chain connected with the clock probably saved the church much damage, but the chain itself was melted.

" Mr. Ross, the second officer, was prostrated, and three of the men struck, but none ver, in working the ore from the top of the much injured. It affected the pelarity of all the compasses, causing them to vary from the true point and between each other. They gradually assumed a bearing, by which we have steered, though still three points out, as we have just discovered. The captain's chronometer was very mate-The number of workmen employed about rially affected; it usually crossed the Atlantic without varying three seconds; it has now proved to be out as many degrees. ings can be produced in a day. The casting Curious as are these effects, they are still is now in full operation and any article can more interesting in an experimental view. be thrown off; to a mould furnished, at half Such facts carefully noted down at the time, a day's warning : the price, we believe, is afford useful data in the cause of science. Thus collected, they are at your disposal. The operations of the establishment will When it is considered that not one vessel the River at this spot increases about half most likely be for some time continued to the in fifty is prepared with a conductor, cases a mile in width. At Goodwood the river manufacturing of Pig Iron, Castings, and of this kind ought to admonish ship owners Jacques is met with....it is nearly a conti- Hollow Wate, as no machinery has yet of their utility. Captain Bennett is deternucd rapid from the settlement at Rich- been erected for the manufacturing of Bar mined to go well armed with them in future. mond, but it might be easily made naviga- or Bolt Iron. It is, however, intended to It would be well to have one ready A man's principles and views are often ble. In passing through the Ridean Lake carry a Stone Bridge across the River a to be raised at each mast in case of emergencaught by a stray expression. From the the river Tay running from Perth is seen ... little above where the present wooden one cy; and, for the safety of the chain, it

a small sum of money would render it fit for works, the upper side of which will form a " We have visited," says the editor of the dam; under the arches of the Bridge it is Liverpool Chronicle, "the ship since her ar-Colonies in America." The British pos- The Rideau Lake is a beautiful expanse intended that machinery for the working of rival, and the traces which remain of the sessions are first considered, and then those of water, about 40 miles long, and its sledges shall be introduced for the purpose operation of the first shock, together with the of Spain, France, &c. At page 211, the breadth frequently exceeds 20 miles. The of manufacturing malleable Iron. We may concurrent testimony of Captain Bennett and author observes, " Had we subdued Canada soil on both banks of the River and on the expect, after this is accomplished, to find for his mates, and the state of the iron rod, and in the last war, or should we do it at any shores of the lake is excellent, the pictur- ges built on the spot which will furnish a such portions of the chain conductor as have time hereafter, we should of course restor esque scenery, the extent of the waters, and supply of nails and spikes of all sizes and been preserved, which for the present, may at the conclusion of peace, which would the local advantages for every descriptions, as well as all sorts of culinary be seen on application at our office, have never be upon any other basis than that of settlers surpassed description. All the and Agricultural utensils. The undertak served to convince us of the general truth prior possessions." We are at a loss to maps, charts and surveys give but an imper- ing, on the whole, reflects the highest credit of the foregoing letter, and of the singular know why this restoration follows so much feet idea of that part of the country. Sur on the speculators (for it must for some time good fortune attending the timely applicaas a mar er of course. Has not this same veyors and others who have explored this be viewed in the light of a speculation,) iton of this simple but philosophical inven-Canada been conquered and kept by the almost unknown country, have demonstra- who have embarked capital in the enterprise, tion of the admirable Franklin, which no victors on more than one former occasion; led the practicability of connecting by and we hope they will meet with sufficient ship should be without. Many additional and are we never to be strong enough to re means of locks the lakes and water of the remuneration and the support of every well particulars were recounted to us by Captain tain possession of it?" We trust they never Rideau to an extensive sheet of water call wisher to the Provinces .--- Bennett, which the pressure of other matter, and the shortness of the time remaining to

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