THE GODERIOR SALT WORKS.

THE liamilton Specialor recently printed a history of the Goderich Salt Works, from which we take the following:-

PROGRESS OF THE ENTERPRISE.

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The Orderich Company at first put up a block of 52 kettles, each capable of containing 133 gallons, and yielding somewhat more than 50 barrels of sait in 24 hours, the pump working 10 hours a day and throwing a continuous stream of 600 gallons an hour. They soon however found themselves unable to supply the domand, and were completed to complete the block by adding 53 ketiles make; thus enabling them to turn out over 100 barrels of sait & day, the pump working 18 hours a day. The success of this well elimitated others to invest their means, and during the winter of 1867, another company was formed under the name of the "Onlario Sait Company". The operations of this Company were looked upon with considerable interest for the reason that their well was on the south side of the fiver, and upon ground 100 feet higher than that of the Goderich Company. It was besides in the immediate vicinity of the terminus of the Buffilo and Lake Edgen. Hallway, and if the Company were successful, it established the fact that the sait deposit covered a considerable area and also ensured peculiar advantages in the matter of shipment. They struck ealt at 1100 feet, or at almost exactly the same level as the Goderich Company had struck upon the opposite bank of the river, and at once put up the necessary block house and tank, the block containing 60 kettles with room for as many more. The bore of this well was somewhagt larger than that of the Goderich Company, the tube being three tuches in diameter, and pumps 15 galicus of brine per minute. Four other Companies at once started to bore on the same side of the river, and three of them completed their works wells were at work as follows:—

Wells.

Kettles. Bists. per day

Wells.	Kettles.	Bbls. per das
Goderich	104	100
Haron	120	110
Ontario	BU	55
Dominion	w	65
Victoria	&v	85

WHAT THEY ARE CAPABLE OF PRODUCING.

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All the block house have been so constructed as to admit of complete blocks of from 101 to 120 kettles each With these of inpleted each well can turn out, at the least, one hundrer barrels a day, or in the aggregate eight hundred barrels. And this production is capable of alm at indefinite extension. Already salt has been struck at Clinton, twelve miles southeast of Goderich, and at Kincardine, twenty-live miles north of it. So that the extent of salt producing territory is smilleien to supply any market that, under almost any contingency, can be found for it. There is more than that: there is a territory sufficiently large to ensure, under all circumstances, a healthy competition, such a competition as may be necessary to ensure for the community, cheap salt.

OTHER INDUSTRIES FOSTERED

Other industries fostered

Other industries fostered

But it is not only in the production of salt that this enterprise is to be looked upon as important. In the encouragement it infords to other branches of industry it is the highest degree valuable. For instance, during the last year, the expenditures of one well, for the wood alone was upwards of 50 000, and an equal amount for barres. Under the present system of manufacture—to which we shall presently refer, and which we hope soon to see improved—it takes surren cords of wood to make a hundred barrels of salt; that is at \$25 b per cord, which is the present price in toderich, it takes an expenditure of \$40 for cord-wood for every hundred barrels of salt turned out, or for the-present wells, working to their full capacity for even two hundred days in the year, an expenditure, for cordwood alone, of \$64,000 annually. Then in the matter of barrels, which cost 50 cents each, the outling on the full productions of these wells for two hundred days in the year would be \$48,000. In addition to this about \$8,000 or \$10,000 for each well can be added for other expenses, so that in the aggregate the ordinary expenditure connected with these wells is close upon \$20,000 a year. This affords some idea of the great importance of this now branch of Canadam industry, and the necessity for its encouragement and protection against foreign monopolies.

THE PROCESS OF MANUFACTURE.

Many of our readers, probably eight out of every ten of them, have never visited these wells, and may not be acquainted with the process of manufacture A word of information on this point, therefore, will not be uninteresting. The wells are covered by a derrick, attached to which is an engine, house, where the sugine used in pumping is placed. Beside the derrick is a large square vat, elevated on posts, for the brine, which is conducted to it by troughs from the pump. These vate are kept filled with the brine, which it wing into them, resembles the duest spring water, periodity coloriess and pure. Beside the vat, the block house is creeted, a large building, which in these days of volunteering, might by the uninitiated of

be mistaken for an nonsually large drill shed In this, at an elevation of about ten feet from the ground, the blocks or kettles are placed, the furnaces being at the end, with conductors to lead the heat under the kettles. The block consists of two rows of kettles, about thirty in each row—in the full block there are four rows, and between these is a long wooden tube into which the brine runs, and a wooden tap from that over each kettle, from which ther are filled with the brine. The heat causes evaporation, and the salt taken by long shovels and put into backets, one to rach kettle, so that the brine may run from it. When comparatively dried it is emplied into the long bins on each side of the blocks, and from there is packed in barrels, ready for shipmont. The finences of the salt depends upon the rapidity of the evaporation, so that by applying less heat a coarser salt is produced. This process of marufacture however is said to be by no means the Jost economical. Mir Platt has invented a new evaporating pan, instead of the kettle, and has one, on a small scale, in operation on the north side of the river, for which he is taking out a patent. This consists of a large shallow pan, with double bottom, the space between being used as a ateam chamber, which affords sufficient heat for the process of each side of this pan are platforms, eloping towards it, and the sell is drawn on to these by means of a fine toothed hoe, the water running back into the pan. When dry the salt is drawn on to these by means of a fine toothed hoe, the water running back into the pan. When dry the salt is drawn on to these by means of a fine toothed hoe, the water running back into the pan. When dry the salt is drawn on to these by means of a fine toothed hoe, the water running back into the pan. When dry the salt is drawn on to these by means of a fine toothed hoe, the water running back into the pan. when dry the salt is drawn on to these by means of a fine toothed hoe, the water running back into the pine, ready for packing. His con

GODERICH BALT IS ENTITLED TO PROTECTION.

GODERICH SALT 18 ENTITLED TO PROTECTION.

We are not disposed now to discuss the theories of free trade and protection, which so terribly trouble some of our contemporaries; that may more properly be reserved for our editorial columns. But there are a few facts prominent and easily understood that we desire to submit to the common sense and pairfolism of Canadian renders and Canadian venters; and upon these they can form tolerably correct notions of what this call for protection the Goderich sait enterprise means. For 18 months after the first discovery of eait, and the practical working of the Goderich well it was sold, free on board at Goderich, at from \$160 to \$165 per barrel, and the demand was so great at those prices that the Company were compelled to double the capacity of their works. American sait was equally in the market at that time. According to the trade returns of 1867, the quantity of American salt imported into Ontario was about 137,000 barrels, assuming five bushels to the barrel. It is worth while stating the imports of American salt for a few years back, thus:—

A, 1000-	Barrels.
1864	. 25 562
1865	
188 ⁴	140 551
1867	137,000

Now we submit that our American cousins have reason to find fault with this "new veln," in that it only affects the price of salt on this side of the lakes, and noticeably in the region of Goderich Salt has kept up steadily there, where there are no Godorich wells to compete with—or rather where a protection of 70 centra barrel in gold makes competition impossible. As a matter of fact, to-day it is \$2.40 at Syra-

cuse, equal to \$1.80 in gold. It is higher than that in Buffale, and very much higher in Chicago. And yet at Stratford it has been reduced still further, since the "new veln" was struck, to \$1.42, and at Toronto to \$1.50. Before the Goderich sait wells were discovered the price in Canada was from \$1.75 to \$1.81, and it is only breause of the discovery, and because of the competition which it has afforded in Canada, that prices have been reduced so iar and that we are threatened with the discovery of another "now vein," and a consequent further reduction.

FREIGHT PROSPECTS.

PHE following paragraphs from a long article published recently in the Detroit Post, on the prospects of treight for the ensuing year may be of interest

lished recently in the Detroit Post, on the prospects of freight for the ensuing year may be of interest to many of our readers—
Until a few weeks since the prespect certainly had a gloomy look, and a large amount of vessel property was thrown upon the market in consequence of that prospect. While it was known that the amount of stavos to go forward would show a damunition compared with last year the season had been a very untavourable one for lumbering operations, which produced a depressing effect. But the recent extremely favourable weather for getting out iumber and other coarse freights has produced a material change in the prospect. There has probably been fully as much jumber got out as in an former season, and, although it has yet for the most part to be brought to the mills, we are safe in saying that the smount that will be sawed will be sufficiently large for the requirement of the market, and any greater amount than that will be of no particular use to vessels. The stave trade is rather less promising the amount got out being smaller than last year, although larger than was expected a month ago owing to the recent good sleighing. The stave byers are very slow in their movements this season in consequence of the Cuban troubles. They did not come into the Saginaw country until February. There will be a world of mi-ochaneous-coares fields to go forward during the coming season, particularly hoops, pail-bolts, railroad ties, etc. A large north shore of Lake Erie, and at other points in Canada, securing railroad ties and a considerable amount of the same commodity will be required in Detroit, and various other markets. The illimitable timber resources of Michigan and constantly attracting new buyers from all quarters. At a single point on Lake Huron these are now 2,600 cords of pail-bolts systitug shipmonts.

All accounts satisfy us that there will be from 25 to 25 nor cent, more iron ore taken to market there will be required.

Huron there are now 2,600 cords of pail-poits ayalting shipmonts.
All accounts satisfy us that there will be from 25 to 23 per cent, more from ore taken to market this year than ever before, while the grain trads looks doclidedly promising. Not only are their ample stores at the Like Michigan ports, but the stocks still remaining in first hands much larger than usual. These facts on the whole, have a tendency to cause a more hopelui feeling among vessel owners, and prices which would have been accepted a month ago, would now be most peremptorily rejected. They teel that there is a prospect for a fair season, although if they are reasonable men, they will not expect spiendid profits in view of the rather straightened financial condition in which the country at large must continue a little longer.

which the coaling in the coaling as the season of navigation will not open so early as was expected a few weeks ago, which is all the better for vessel owners. An early opening only adds to a season's expense account, without any compensating housests.

benefits.

Charters have been made in Chicago at 10c for wheat, 95c for corn, and 75c for oats. Should these prices prove typical of the season, vessels will do reason ably well. A room to rive ago quite a number of charters were made for iron ore at \$3.25 from Marquette to t leveland, and \$2.60 from Escanaba to the same port, but these rates afford only a very slim margin for carriers, and would not now be accepted. Concerning 'amber freights, not enough has been said to throw much light on the question of rates sweeks \$2.60 from Alpena to Buffs.o, a figure below owner a views then and which would therefore be regarded as stul tarther from the park now.

would therefore be regarded as still tarther from the mark now.

(apt C K Dixon the well-known ship-broker of this city, has already offected what are vultually thi teen o narters, as follow Schoon-rs Reindeer and Ellington, each six trips with pail-bolts from Tawas City and the shore near Harrisville to Cleveland at \$3.76 from dock and \$4 from shore, per word of 120 cubic feet Also, scow Sallor Boy for a cargo of lumber from Detroit to Sandusky at \$1.50.

RAILBOAD LEGISLATION.

NO form of corruption is more generally encouraged in State Levislatures that in State Legislatures than the action of those bodies towards the various important material interests representing wealth enough to make it probable to bleed them whenever opportunity offers. The railroad interest, representing the most ready money and being the best able to make occusional paymonus on account is offenest made the victim of these black mailing operations. If no one but the railroad companies suffered we might be well content to leave them to fight their own battles with the legislative "strikers," but since the public have to pay, directly or indirectly, every dollar of the 'bilbery and corruption fund' so expended, the matter is one in which we naturally take a strong interest. How to stop these little black mailing operations, and protect the railroad interest from any logislation except such as a calculated to make the reads more valuable to the business and traveling community. If a question that should receive the attention both of the press and the people. bodies towards the various important material inter-

people.
The modus operandi of the Legislative strikers is this; An influential State Senster or Assemblyman