## THE INDUSTRY OF MASSACHUSETTS.

MIR Legislature of Massachusetts pass at intervals of ton years the necessary "Act to obtain the Industrial statistics of this Commonwealth." The first was passed in 1833; the last was approved in 1866, and the returns were made last year; the successive reports exhibiting the following as the annual amounts of industrial products:-

In 1838		 	 \$ 86,000,000
1845	• • • • •		 . 124,000,000
1865 .		 	 . 295,000,000
1865		 	 . 517.000.000

This increase is certainly very remarkable, and even after allowing for the inflated currency of 1665, the increase in the last decade is astonishing, especially when we consider that the contemporary increase of the population was only three per cent. This business represents over a million and a half dollars for each working day in the year, employs a capital of \$174,499,-950, and engages the attention of 271,421 persons in manufacturing, and \$3,686 in agricultural pursuits.

The leading products-not mentioning those of agriculture-are thus set down in 1866 :--

	Valuq.	Canital	Hande.
Cotton	554.436.681	£?3,233,986	23,678
Boots and Shoes	52,915,243	10.067.474	65,160
Wooliens	48,430,671	14,735,830	18,433
Calico and Delaine .	25,258,703	4,222,000	4.203
Clothing	17,743,894	4.634.440	24.722
Tenning & Currying.	35,821,712	4,994,933	3.817
Paper	9.008.621	3,785,300	3.554
Rolled and Slit Iron			-,
and Nails	8.686,602	2,827,300	3,194
Whale Fishery	6,618,370	6,879,862	8,496
Print's & Newspapers	5,358,148	1,919,400	2,409
Mackerel & Cod fish'y.	4,832,218	8,767,761	11.518
That it is the emalia		in which we	41.1.1.

But it is the smaller industries in which we think Canadians should feel the greater interest. All the above products are known to our mechanics and business men; perhaps almost as well as to those of Massa chusetts, but it will be observed that they only comprise half the industrial products of the State, and we will proceed to enumerate some of the minor manufactures which are less familiar to us, but are counly profitable; equally deserving of attention, and we hope the more beneficial to the labouring population as requiring the capital, and thus offering a readier means for the artizan to rise in the social scale.

Passing over the carpeting and hosiery factories we come to factories for making bead nets and head drosses, of which there are eleven, and a capital of \$22,800, employs 25 male and 199 female hands, and turning out \$159,500 worth of goods.

There is one factory for making feathers and artificial flowers, one for bugle trimmings, one for jet pins.

Six establishments manufacture worsted dress braids, worth \$539,240, on a capital of only \$166,700. Ten make dress trimmings, gimps, cords, &c., worth \$260,-125, on a capital of \$154,500.

Nine factories, capital \$929,500, manufacture \$2 046,-200 worth of wire; seven, capital \$185,000, make \$239,-764 worth of nuts and screws, two, capital \$26,000, butts and hinges to the value of \$65,000; four, capital \$25,750 locks worth \$61,547, twenty-four, capital \$489,000, make \$1,269,866 worth of tacks and brads.

No less than eleven establishments are engaged in making the apparently insignificant article of buttons. The metal buttons produced are valued at \$293,400; \$ 10 covered buttons at \$192,000: the wood buttons at \$123,217; besides a quantity made of born and bone and vegetable ivery.

There are fire factories for the manufacture of partemonnaies, pocket books and wallels, eight for that of pholograph albums, and these apparently insignificant industries employ respectively 118 and 134 hands, to produce articles worth \$186,500 and \$306,202. Capitals \$37,500 and \$57,600 Besides these, thirteen establishments make tuk envelopes, and small articles of stationery

No less than twenty-three factories are engaged in making combs, and 506,670 dozens of combs are made, valued at \$507,586, out of \$223,866 worth of stock Capital \$173,500, hands employed, 446 males, 163 females.

Eleven make palm leaf into fans, &c : twenty-six

willow is cultivated to some extent, not to speak of Cranberries, Winter squashes, and "garden seeds" gonerally at which we may encor, but which yield bandsome returns nevertheless, and give a total which is of great importance to the political economist.

It would be tedious to enumerate all the industries pecified in a volume of 800 pages; we have mentioned those which it appears to us are least practiced or ever thought of in Canada, and which we think might be made profitable here. We have very successfully established a variety of new establishments here within the last few years. We hope this notice may lead to fresh progress in the same direction.

## MINERAL RESOURCES OF NEW BRUNSWICK.

MHE mineral resources of Now Brunswick are rich and varied, and though only as yet very partially developed, sufficient progress has been made in some particulars to lead us to indulge the hope that the application of capital and skill are alone required to enable the Province to take a high rank among mineral producing countries. As everything connected with the undeveloped resources of the Maritime Provinces is just now of more than ordinary interest and importance, we propose to give a series of sketches illustrative of what has already been accomplished, and pointing out the grounds that exist for believing that in this direction lies a large and promising field for judicious investment. We commence with

## COAL

This mineral is extensively diffused throughout the central portion of the Province, and although it has as yet only been worked in a few easily accessible places, yet it seems to be beyond a doubt that it occupies, in nearly a triangular shape, a vast area, extending from Bay Chaleur to the head of Grand Lake on the St John, and from thence across the Province to the Gulf Shore. Geologists are divided in opinion regarding the degree of productiveness to be expected. but as by far the largest portion of this region known to contain these coal measures remains wholly unexplored and some portions are already profitably worked, we cannot be far wrong in concluding that a thorough exploration would result in the discovery of some workable deposits. This opinion is strengthened by the remarkable facts that both at Bay Chaleur and at Grand Lake (the two extremes of the triangle before mentioned the same description of plants have been discovered, and further, that these plants are only known to exist in the middle or productive coal measures. This being the case, the thickness of the deposit is the principal thing to be determined, and on this point Professor Hand says:-"The supposed thinness of the New Brunswick coal fields is apposed to "the expectation that scams of workable coal will be found to occupy very wide areas, yet the structure of the country has been shown to sup ort the views "that in a bay or bays penetrating the carboniferous "area from the East, thicker seams than those which "exist at Grand Lake (22 inches) may be sought for with a probability of success."

Most of the coal hitherto raised at the Grand Lake has been taken from a 22 inch seam at a place approprintely called Newcastle. The existence of coal in this locality has been known for a number of years, but no regular system of mining has ever been pursued, and it has been brought to market in an irregular and hap-hazard sort of a way. Professor Hind writing in 1865 says:-"Any farmer who finds the seam on his land, employs persons to dig out a cer-"tain quantity of coal; this is bought up by agents, and shipped to Fredericton, Saint John, and else-"where It sold at Fredericton in 1864 and '65 at \* \$6.50 per chaldron, and it appears that about 5,00 "chaldrons were shipped from Grand Lake during "the reason of 1864." In 1865 and '66 the quantity was considerably increased, and probably amounted in each of those years to from 8,000 to 10,000 chaldrons. A somewhat more systematic method of mining le now pursued, but all the operations are still carried on Elecen make palm leaf into tans, &c: incaty-siz may pursued, but all the operations are still carried on make it into hats. There are treasty blacking factories, six razor shop factories, eighteen factories for naches and preserves, and one thousand and name establishments under the head "not elsewhere enumerated;" among which we find, in the bady of the work, such as Firebrick factories, Billiard Table factories, kubber works. Whalebone establishments, &c. &c

Coming then to natural products we find a number of smaller industries connected with agriculture. Onions are largely cultivated for export, also cabbages.

Garden seeds are largely prepared for sale. The Basket.

bucto, and there appears with a thickness of 15 inches; the total mass of eoal on a longth of 40 miles, by a breadth of 15 miles, would amount to the energious quantity of six hundred millions of choldrons. But to return to the actual operations: and still keeping at the head of the Grand Lake and distant about eight or nine miles from the Newcastle mine, is situated the property of the Coal Creek Mining Company. The scam of coal here laid open is about 19 inches in thickness, lying in a horizontal position on the bank of the creek with from twenty to thirty feet of rock above it. Here a main level has been driven in 160 feet, and the coal produced is very bright and black, and is free from rust and slate. It is also much harder and stronger than the Newcastle coni. One peculiarity about this mine deserves notice: It has been stated that the seam lies in a horizontal position, but this is not strictly correct; it has rather an apward inclination, which has the effect of not only completely draining the level, but also of reducing to a minimum the labor of getting the coal to the mouth. The company own some 600 acres of land in this vicinity, which, it is estimated, will produce 720,000 chaldrons of coal. They are building a wharf where vessels can lay alongside the mouth of the seam, and are making preparations for prosecuting the work vigorously in the spring.

We think that enough has been stated to show that there is here a promising opening for the employment of skill and capital, for if, with the rude and wasteful methods hitherto used, the working of these coaf scams has been found profitable, what might not be expected from the employment of skilfully directed labor and means; at all events, a more thorough exploration than has yet been made can hardly fail to be productive of good results. The Intercolonial Railway, in the course of its construction, must pass in the direction of this coal field, and should workable deposits be found to be situated at or near to the line, the importance of the subject, both to the railway and the country at large, can scarcely be over-estimated.

We must reserve the Albert coal mines as the sub ject of a future paper.

## THE TOBACCO CROP.

HE quantity of tobacco raised in the United States is exceedingly large. In no less than twenty-eight of the States is the plant grown, and the yield during 1866 is set down at no less than tureo hundred and thirty millions of pounds! This quantity seems to be, and no doubt is, enormous-but the figures are given for each State, and, we suppose, may be taken as approximately correct. Before the war, the South raised ever one hundred millions of pounds more per aunum than are given in last year's returns. Virginia and Kentucky were then as now, among the largest producers, but their crop was less last year than it was in 1869, the former by tifty-four, and the latter by fortyseven millions of pounds. The principal tobacco growing States yielded as follows last year .-

Connecticut	1ha
Illinois	**
Indiana 7.102.000	44
lientucky 61 000 000	
Maryland	
Missouri 10 500 (00	"
North Carolina85,000,000	••
North Carolina85,000,000 Ohto 26,000,000	**
Tennessee	**
Virginia 70,000,000	**

Besides these States, considerable quantities of tobacco are grown in others facther North, Iowa, Michigan, and Minnesota, being among the number. The farmers of Canada now grow tobacco to a moderate extent. We have seen it growing in the fields, and its appear ance was very luxuriant. Although not equal to tobacco grown under a Southern sun, the Canadian article smokes very well, not a tow farmers using scarcely any but what is of their own growth. There is no reason why our tobacco crop might not be greatly increased in quantity and improved in quality. It is not difficult to cultivate, and grows very resulty on suitable kinds of soil.