had from the Department is also advertised, there is nothing to indicate in the adver-tisemant that "sale" and "right of purchase" carry with either only a conditional fee simple :-

fee simple :--"Ontario's great mineral fields; an extent of 100,000 square miles. Prospectors, miners and capitalists are invited to the great mineral fields of Ontario, in Canada. The most promising ground on the continent for exploration and investment. The Province of Ontario has a mineral bearing belt 100 miles in breadth by 1,000 miles in length, lying north of the great lakes from the St. Lawaence and Ottawa rivers to the Lake of the Woods. Nickel, iron, antimony, apatite, mica, copper, gold, galena, acti-nolite, talc, cobalt, silver, rinc, asbestos, plumbago, etc. Thousands of square miles of virgin ground for the prospector in the minaral bearing formations, more easily reached by lake or railway than any other mineral district of the continent. Import-ant discoveries made every season. Careful and intelligent exploration amply rewarded. The attention of miners and capitalists in America and Europe is invited. Mineral lands are sold by the Government at \$2 to \$3.50 per acre, or leased with right of purchase at from 60 cents to \$1 per acre first year, and 15 to 25 cents for subsequent years. The first year's rental allowed as part of the purchase money."

DISCUSSION

DR. A. P. COLEMAN remarked that the paper contained the most revolution-DR. A. F. COLEMAX remarked that the paper contained the index reconduct-ary set of ideas he had heard given in a public way for a long time. There were cases in Saxony, Norway and elsewhere, of mines being worked by the state, the object being more to ensure employment for workmen than to make a profit. He was not aware that any of these mines were now earning a dividend. His own inclinations were towards individualism, while the paper certainly looked a good deal like com-munism. Communism, however, might not be a bad thing in itself, and the tendency of nuclear beilding was certainly in that direction. There were some of the wheat in of modern legislation was certainly in that direction. There were some of the ideas in the paper, such as the prevention of private enterprise, which struck him as being ob-jectionable, and he should like time for consideration before expressing a full opinion upon it.

upon it. MR. A. BLUE said there undoubtedly was an air of communism about the paper, but he was not sure that it was any the worse because of that. He doubted, however, whether any government could get efficient labor out of the large number of men who would doubtless be employed in the future in the mining industry of Ontario. What government could manage 100,000 or 500,000 men so employed, with any hope of securing proper service? The existence of so vast a body of voters dependent on the goodwill of the Government would constitute a seriors menace to the Inferties of the construct. Under and accounter a government would be a date to versitically the country. Under such circumstances a government would be able to practically perpetuate itself in office by reason of the influence it could bring to bear upon the men in its employ. All the evils of centralization on a gigantic scale would be the result upon the adoption of the plan Mr. Bawden proposed. In his opinion the chief, it not the only, method by which a government can properly aid an industry, is by giving those engaged in it information.

those engaged in it information. MR. JAMES CONMEE thought it was sound doctrine that the less people were governed the better they were governed. There were certain evils which the paper just read had only disclosed : waste of energy, misdirection of capital, etc., but he did not agree that Mr. bawden had proposed the only remedy. There were others. He was not prepared to see so much power placed in the hands of any set of men, no matter what their politics might be. They had had Curran bridges—they might have Curran wines. (I outplue)

Curran mines. (Laughter.) MR. B. T. A. BELL suggested that as the puper covered a good deal of ground, it would be better if the discussion upon it was adjourned until next meeting, when

It would be better if the discussion upon it was adjourned until next meeting, when members would be more fully prepared. MR, T. W. GIBSON expressed his preference for individualism as opposed to communism. If the incentive to enterprise, industry and thrift which enlightened self-interest supplied, were taken away, what were they going to substitute? Men engaged in mining, as in any other occupation, in the hope of profit, and all the im-mense development which had taken place in the mineral industry of Great Britan, the United States and other countries had been the fruit of striving for gain. He feared that government control and initiative would prove far less effective in securing incorrect than write of the had haven.

It being agreed to adjourn the discussion, Mr. Bawden briefly replied to the objections raised to his paper, after which a vote of thanks was passed to him for the same.

The Utility and Value of Some Common Minerals.

MR. A. BLUE—Five or six years ago a young man came to this city from one of our tinished country villages to seek an occupation which might afford larger scope for his energies than the little annex farm at home a peared to promise. He took counsel with one or two friends, and after the merits of a number of projects were discussed, the general conclusion was reached that no business was as sure or safe as one which undertook to supply the common and everyday wants of the people. Food, clothing, and shelter, are necessaries of life, and whatever else man in a civilized state may do without, he cannot, or will not, dispense with these. Our young man had been a producer of foods on a small scale, and natúrally he inclined to keep on in that line of business. But his heart was set on a specialty, and so he decided to establish a dairy farm and supply the city with milk. He reasoned in this way: "Every family in the city wants milk, and wants it every day. Being a cheap and nutritive food, and, for children especially, an almost complete diet; many people will buy as much as they require, and the poorer classes as much as they can afford. I am therefore sure of customers if I can supply a good, wholesome article, and the cash will come in as the milk goes out." This young man was wise enough to learn bis trade in a well managed dairy before starting on his own account; but it was only a matter of a few months, and he began right. To day he sells in the city the milk of nearly 150 cows, he has one of the cleanest and best equipped dairies in the province, and he is worth $$z_{5,000}$. \$25,000.

525,000. The story illustrates the wisdom of selecting a business that deals with the steady wants of the people, and while intelligence and diligence cannot be dispensed with in any calling, it is worth a good deal to remember that progress is always easiest along the lines of least resistance. Under some circumstances a business runs itself, to use the lines of least resistance. Under some circumstances a business runs itself, to use a common phrase; under others it requires a vast expenditure of force and oil, and often then it fails. But many persons are so constituted that they have no pleasure in what are called the meaner pursuits of life. Nothing has a charm for them but to un-dertake the difficult or the impossible, wherein to succeed is glory and perchance a fortune, and whereir to fail is loss and disappointment without it may be, a com-

a fortune, and wheren to tail is toss and disappointment without it may be, a com-pensating grain of gathered wisdom. The two most abundant minerals in this country are clay and lime, and they are likewise among the most useful. They furnish the raw material too for mineral in-dustries of the first importance, in which a large amount of capital and many laborers are employed. Yet in the vulgar opinion, clay and lime are not worthy of being called minerals, and the seekers after gold, silver, copper, nickel and iron would scorn

to recognize the workers in clay and lime as fellow-miners. I think it will not be hard to show, however, that these very common minerals possess a value not in any degree inferior to the metals, and that they are deserving of much greater attention than they have yet received in this country, at the hands of moneyed men, and men of the best technical training in the mineral industries. But let it be premised, that in this paper lime (using the term in its colloquial sense) will be dealt with only as material for the meadwrine of our material for the production of cements.

As to the extent and growth of the industries, information is afforded by the census reports of the Dominion Government. But for comparative records we can only go back to 1881; no account was taken of cements in the Censuses preceding the for that year, and the earlier statistics of the brick industry are of no use in showing its growth.

The statistics of the two industries in Canada and the Province of Ontario respect-ively, are given in the following table for the years 1880 and 1890: -

	CANADA.		ONTARIO.	
	1880	1890	1880	1890
CEMENT : No. establishments	• 9	19	3	12
Hands employed	115	243	29	128
Wages paid	\$38,151	\$85,960	\$7,000	\$39,245
Value of product	91,658	251,175	29,200	153,400
BRICK AND TILE: No. establishments	560	697	400	.463
Hands employed	4,129	6,737	2,768	3,791
Wages paid	\$608,690	\$1,428,489	\$405,311	\$797,257
Value of product	1,541,892	3,584,713	971,158	2,154,152

The noticeable feature in these statistics is the large share Ontario claims in the one of the years. Ten new cement establishments were added, and all but one are cedited to Ontario. The numer of hands employed by the industry increase of the ten years. Ten new cement establishments were added, and all but one are cedited to Ontario. The numer of hands employed by the industry increase in the value of product was \$155,517, and three-fourths of it does extended in the interse of hands on the other provinces combined. In the increase in the value of product was \$155,517, and three-fourths of it does est constructions in the decade, although in number of works, employees, enclosed it was 1,023 out of 2,668; of wages paid for labor it was \$391,940 out of \$20,24,821. The assuming the absolute accuracy of the figures, there is one aspect of them of the arests attention, viz. the relativity of the cost of labor to the value of product was 1,25,00 and 1,220,00 and 50,00 and 50,0

YEAR.	BARRELS.	\$
1886-7	102,750	148,054
1887-8	122,402	177,158
1888.9	122,273	179,406
1889-90	192,322	313,572
1890-1	183,728	304,648
1891-2	187,233	281,553
1892-3	229,492	316,179

The total importation in the seven years was 1,140,200 barrels, valued in the Trade Tables at \$1,720,570; but to this should be added the \$455,445 of Customs dues paid to the Government, the costs of freight and insurance and the profits of im-