

G. A. Stanley Hopkins, Esq., -2-

greatly. The man who is capable of analyzing the soil and say^{ing} what it most needs is the scientist, and the scientist is also the man who can give the best advice as to the production of these artificial fertilizers. He is the product of but one institution - namely, the University.

Let me give another instance:

The value of farms in certain areas of Alberta has been increased one hundred per cent. or more by the introduction of irrigation. What institution produces the Engineer who makes irrigation possible? Only one - the University.

Take another instance: At Saskatchewan University experiments which are already giving good results are being carried on with a view to finding a wheat which will not rust. Supposing complete success attends their efforts, it is safe to say that they will increase the value of the wheat crop of Saskatchewan sufficient to pay the cost of this University for 100 years.

Let me refer briefly to another industry - the Mining industry. We bring in from the United States 157,000,000 of iron goods. Whereas we have in Canada almost inexhaustible deposits of iron ore, but it is low grade. Our universities are constantly working, seeking to find a method whereby this low grade iron ore can be profitably mined. If we find a way, and I believe we shall, we will save to our country millions of dollars and furthermore build up an enormous industry giving employment to thousands of men. There is only one man to find the key to the solution of this problem and he is the scientist who is the product of the University.

And so I might go on and give innumerable instances to show that work done in our Universities is the greatest possible factor towards