

This is amply borne out by the experience of our neighbours. We quote the following from a recent issue of the *Scientific Artizan*, Cincinnati. In referring to the value of State surveys, the writer says :

"We condense some thoughts from speeches made before the State Board of Agriculture in Maine, a few days since, upon the subject of State surveys, and we commend them to the consideration of those who are continually sneering at the results of science.

"It may cost us \$5000 a year for a geological survey, but such an appropriation will be like a thriving farmer who sets out an apple tree that may cost 25 cents, but which in a few years will be worth 50 times as much.

"Massachusetts, New York, and other States, have seen and felt the true policy of developing their natural resources, and are now reaping an abundant harvest. New York alone has expended well nigh half a million of dollars to complete the survey of her territory ; in this respect perhaps, she, as a State, stands the foremost in the world.

"There are many unsettled questions which geologists have referred to a complete survey of Maine for a solution. Every river from St. Croix to the Piscataquis, has its history to be recorded. Its soil, its muck-beds, its marine manures, its rocks, its minerals, its fossils, its mines, its quarries of slate, lime and marble, its ledges of rock, its forest lands—all need the scrutinizing eye of the mineralogist, the chemist, and the geologist. The quarries of marble and slate which are so valuable to Vermont, on recent investigation, are found to extend over into northern Maine. *Not a foot of soil on our Territory is unworthy the investigation of the man of science.* * *

"Massachusetts knows what she is about in developing her resources. Her surveys were made 20 or 30 years ago, and her greatness has been largely built up from these surveys. It has been too much the case with us to grumble, and cry—what is the use of all this? or about 20 years after Massachusetts has done a good act, then after all to follow in her long trailed wake and approve of it. Her men of capital early saw that knowledge is power, and they developed her hidden resources in a thousand ways."

This desire to contract and render less efficient the geological survey of Canada, is not only unworthy of us, but embodies a principle in an eminent degree dangerous to the development and advancement of this country. For to attempt to argue the insignificance of such things as Eyclocystodils, Cystideæ, lobsters or periwinkles, would only be exposing our ignorance of the com-