the practical results can be more satisfactorily letermined. If the pupil never sees saw, hammer or plane again the training he has received will be of value, whatever his vocation." The report from Boston is equally definite in its approval. It says: "From the beginning the school went on with unbroken and successful regularity. The order was good, the pupils interested, let it it is delightful to see the eager desire municated everywhere to do the day's work well. There was no absence, no tardiness. Here and there a complaint was made by the teacher of some second-class boy, that he was not doing the work well in his own mechanical right for industries, but for industries, and such an education will be most beneficial to all who take part in agricultural and mechanical pursuits. There can be no doubt that in all the civilized nations of the world educators are giving more attention than formerly to this important subject. In addition to the large number of technical and poly-technic schools throughout Europe, schools for special trades are rapidly increasing. There are over fifty in Belgium, more than a hundred in Switzerland, nearly fifteen hundred in Germany, and nearly a thousand each in France and Austria. Nearly fifty institutions for training in agriculture and mechanical arts have been founded in the United States, and under I consider that the results go far to prove that manual training pooh-poohed out of existence by pleasant magazine articles." is so great a relief to the iteration of school work that it is a There are two respects in which educational efforts in industrial drawing into their schools, answer languidly: "We have no time to industrial training has been given to the girls, who need it for them." Experience proves as clearly as anything can be least and who receive most of such training at home. I have tried proved, that where most attention is paid to these subjects there to suggest a remedy for both these defects; a remedy such that it is most time left for real work at the other subjects. The will also aid in securing a better education in the ordinary branches is most time left for real work at the other subjects. The will also aid in securing a better education in the ordinary branches teachers who are foolish enough to attempt to make their pupils of the Public school course. work sixty minutes per hour for six hours per day, are bound to fail. It is physically impossible for human beings to do this, and at the same time work with the vigor and carnestness essential to success. The "fatigue point" is speedily reached in schools taught by such teachers, and mental work done after this point is comparatively profitless and fearfully exhaustive. Forty five minutes per hour is the time for actual study in the best model school in Europe, that in Brussels. It is the weariness of school work that kills, and not the amount of work accomplished. The best relief from mental work is physical work, at calisthenics, or some industrial work. In addition to this I have tried to show that the use of the hand in making things is in accordance with nature's method of teaching and really the best method for developing (not storing) the mind. This view is sustained by a resolution adopted by the American Institute of Instruction in July, 1832, as follows: "We recommend the introduction into schools of instruction in the use of tools, not for application in any particular trade, but for developing skill of hand in the fundamental manipulations connected with the industrial arts and also as a means of mental development." The report concerning the shop schools, in connection with the public schools of Paris, where the pupils work a little more. he than they study, says: "The boys who work and study fall very little behind the boys of the same age who do nothing but study. The working boys are remarkably healthy, strong, good-natured and orderly." I wish these adjectives could be applied to all Canadian school boys. To make them do so, the first steps must be let to them, "learn by doing," and to give them plenty of caliethenic aversion arms have them are in the school-new Topisthenic exercise every hour they are in the schoolroom. One hour per week spent in working with tools would aid in securing the more rapid advancement of the pupils in their studies, oven if it was only to be regarded as a change of work, and a relief from the weariness of constant application to study. It would be of still more importance, however, by affording the mind an opportunity for development in the most natural manner by requiring concentrated action of the mental powers to guide the hand.

the first and second classes of the two larger schools desiring to with a training in the various kinds of sewing, and in cutting out attend. There is no compulsion whatever except that, while and fitting the most simple of their own garments. Cutting from members of the industrial class, the pupils are required to be as patterns is an accomplishment that can be taught by the regular attentive, industrious, and orderly as during any portion of their teachers in cities and towns. In rural districts so few pupils are old school work. There has been a training in the nature of the enough to receive this kind of instruction and so many of the teachers implements used, in the best methods of employing to ose imple-are men, it will generally be found best to confine the industrial work ments, constant attention to those habits of method and system in them to the course recommended for the lower classes. Male which are necessary to secure good work anywhere, and con-teachers will usually be able to find some of the older girls who tinued practice of the hand and eye in anison, requiring close can illustrate the steps in knitting to the younger pupils. In application as well as clear perception and accurate manipula- cutting out, old newspapers should be used instead of cloth, until tion. The result is tangible, and the proficiency is measured by a sufficient degree of proficiency has been acquired. It may be no arbitrary standard of percentages, but is clearly defined, and objected that Canada is not a manufacturing nation, and therefore may be estimated with much more precision than in any other we do not need to give our children an industrial education. I ling of school work. I do not know of any manner in which fifty answer that the education for which I plead is not an education to eighty hours can be employed in any form of education where "in industries, but for industries," and such an education will be second-class boy, that he was not doing the work well in his own mechanical arts have been founded in the United States, and under room; but the pupil in every case was so anxious to remain the central government they are rapidly increasing. To use the in the "carpenter's" class that a word or two of warning was words of President White, of Cornell University, "this movement sufficient to bring him words of President White, of Cornell University, "this movement sufficient to bring his performance up to the standard again, is not to be scolded out of existence by solid review articles, or positive benefit rather than a detriment to the course in the education appear to me to be defective: (1) Most of the attention other studies." This last sentence is a practical answer to the paid to the subject has been given to the higher industrial instiobjection that has, no doubt, arisen in the minds of some who tutions, the Scientific and Mechanical Universities, to the neglect have been listening to my suggestions. There is a large class of of a broad primary course as a foundation for this superior traintagelors. It is not supported by the superior traintagelors. teachers, who when arged to introduce calisthenics, or music, or ing. (2) What little attention has been given in Public Schools

THE OHIO TEACHERS READING CIRCLE.

E. A. Jones, Secretary of the Board of Control, gave a brief history of the organization of the Reading Circle and its operations during the first year. There are more than two thousand members, the greater part of whom have completed the course prescribed for the first year. Certificates have been prepared for those who have completed the first year's course, and about five hundred of these have already been issued. The Reading Circle is proving a valuable part of our educational effort.

The course prescribed for the second year is as follows:

I. PEDAGOGY.

Currie & Common School Education, or Calderwood on Teaching. II. ENGLISH LITERATURE.

Shakespeare's Julius Cæsar, and Irving's Sketch-book.

III. AMERICAN HISTORY.

The Revolution, and the Constitutional Period to the close of the War of 1812.

IV. NATURAL SCIENCE.

Brown's Physiology, or Natural Science Primer of Physiology and Hygiene.

Printed slips containing the course may he obtained by addressing the Secretary at Massillon, Ohio.—Ohio Educational Monthly.

The Agent in P. E. Island states that every teacher in that Province will subscribe for the Weekly Canada School Journal and secure Ayre's "Verbalist" For the senior girls the most useful occupation is that connected and "Orthoepist."