

ed in the practical duties of life, forget to allow for friction, and imagine that the working power of a theory will be fully equal to its algebraic value in the abstract formula.

A college course should save a man either of these extremes. During the most plastic years of early manhood, those who are to be men of affairs in the world, are brought day after day under the strong magnetic influence of scholarly men who are intensely alive to the power of ideas; who are, it may be, overcharged with and polarized by idealism.

From such minds and wills, strongly exerted upon his own, every thoughtful young man receives an influence, a mental bias, a profound conviction of the value of ideas, which goes with him through life like the

iron in his blood, or the phosphorus in his brain; and thus society through the college-bred men of every generation, whether they work in the professions or in business, is permeated with the life and light, the openness to ideas which a liberal education pre-eminently gives.

If a quick spiritual apprehension of noble ideas, a generous loyalty to truth, and strong sympathy with the needs of mankind are desirable qualities in citizens in every walk of life, then it certainly pays well, in every sense of the term, to train at those colleges where these qualities result from the training, the young man who looks forward to business life, no less than his brother who plans for himself a career in one of the learned professions.—*The Independent*.

NOTES FOR TEACHERS.

THE smallest circular saw in practical use anywhere in the world is that which is used in pen-making establishments for cutting the slits in gold pens. This pen saw is a tiny hard steel disc about the size of a shilling, and it is no thicker than a sheet of ordinary paper. When in use it is made to revolve about 4,000 times per minute.

THE QUEEN'S KITCHEN.—A correspondent writes:—I had a peep the other day at the royal kitchen at Windsor Castle, the maintenance of which I see costs £10,000 a year. The entire walls to a certain depth are lined with copper utensils, bright as gold. In the centre of the vast chamber is a polished steel hot plate for keeping dishes warm. One of the numerous grates holds half-a-ton of coal, and the cellars store 700 tons.

A PUPIL comes to us as a bundle of inherited capacities and tendencies,

labelled, "from the indefinite past to the indefinite future:" and he makes his transit from the one to the other through the education of the present time. The object of that education is, or ought to be, to provide wise exercise for his capacities, wise direction for his tendencies, and through this exercise and this direction to furnish his mind with such knowledge as may contribute to the usefulness, the beauty, and the nobleness of his life.—*John Tyndall*.

METHOD AND LEISURE.—Everything goes by express train in these days—work, pleasure, everything; it can't be helped, we must go on with the tide; but unless we are very careful our health is likely to suffer. Perhaps people who are absolutely drones, who do nothing, who have, or who think they have, no responsibilities in this world, can let their life run on in a "come what will" sort of manner. Those who are busy bees