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# Educational Weekly 

Vol. IV.
THURSDAY, OCTOBER $14 \mathrm{mH}, 1856$.
Number 91.

## The Educational Weekly,

Edited by T. Arnold Haultan, M.A.

TERMS: Two Dollars per annum. Clabls of three. $\$ 5.00$. Clubs of five at $\$ 8.60$ cach, or the live for $\$ 8.00$. Clubs of twenty at $\$ 1.50$ each, or the twenty for $\$ 30.00$.
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JUBLISHED
tae gaip printing and poblushige co., TORONTO, CANADA.
J^มis V. Waicht, Grucrat Maxager.

TORONTO, OCTOBER $1 \&, 1886$.
Mr. Houston's vigorous letter on women's éducation and women's health will be interesting to many of our readers -indeed the subject is one of the most interesting and important of the day.

Neither Dr. Withers-Moore nor Mr. Houstol, are allogether right, nor are they altogether wrong. Dr. Withers-Moore says higher education unfits women for maternal duties, and quates high authorities to prove it. Mr. Houston says higher education does not unfit them (whether maternal dutics are women's "proper function" or not we need not here discuss), and quotes statistics to prove his position. No doubt a higher education could be so conducted as that it would improve rather than injure the health of women; but no doubt also highor education does sometimes affect the health of many women, and both Dr. Withers.Moore and Mr. Houston can point to instances to support each of these positions.

Where both are wrong, we venture to think, is in failing to recognize a most important element of the problem.-Have not the women of the upper classes led for generations a life very different from that of the men of their own ranh? a less wholesome life? The men have walked, ran, jumped, rowed, played football and cricket, contested in annual athletic sports till they were setenteen or eightetn, por haps till they were twenty four or twenty five. And after this, even if they entered close offices or engaged in wearing voca: tions, at all events they dressed fairly. sensibly, went out in all weathers, and indulged in a certain amount of out-door exercise. The women, on the contrary, at fifteen or sixteen had to give up their skipping, and climbing, and "c cross-tag" playing, and take to those two dreadful occupations, with the equally dreadful names-deporment and calisthenics. And as to their dress-appearance seems the only thing to be considered.

It is this that has unfited women for higher education. It is not the higher education that ruins them for mate:nal duties.

It is a fact as lamentable as it is undeniable that, in the vast majority of cases, the women of our best classes of society sacrifice health to appearance. Any work on Gynecology will be found to uphold the assertion, and our Gynecologists are the best judges of these matters. Assuredly their tastes are high and refined; their sensibilities delicate; feelings exquisitely sensitive ; their intellects cultured in the best sense of the term. And to all these attributes the men of the present day owe perhaps all those finer traits by which they differ from the men of barbarous ages. Bu: the fact remains : physically women are not as stror:g as Nature intendd they should be.
"More than half the population of Canada," says an exchange, "get a living by cultivating the land. The whole population by the census of $\mathbf{x}^{582}$ was $4,324, S 10$, which, at a rate of 5 persons to
a family, would give $564,96=$ adult males. Of these $46,4,025$ are classed as occupiers of land, 403.491 being owners, i5,245 tenants and $3,2 \mathrm{~S}_{9}$ emplojees. The occupiers of 10 acrep and under numbered 75,266 , between it and 50 acres, $93,3=5$; between $5^{1}$ and 100 acres, 150,672 ; between 101 and 200 acres, 103,243 , and over 200 acres, 36,499 . Although more than half the pecople are farmers and the fam ilies of farmers, we never heard any complaint about an uter production of wheat, or potatoes, or butter, or eggs."
There is an argument concealed ia the last sentence. It is practically impossible that there should be an over-production of wheat. Wheat is a necessity of life, and the market for wheat is the whole civilized world. The supply cal practically never exceed the demand. The more wheat there is, the cheaper it becomes, and the more people are supplied with more and better food. The price of wheat is the chief controlling factor of the price of all other commodities. Too low it could not go.

It would be hardly necessary to state these facts-facts to be found in some form or another in any work on Political Economy- -if the sentences quoted above did not contain an important. trüth for us from an educational standpoint. The fact is Canada can afford to give up far more than fifty per cent. of her population to agricultural pursuits. It is because so many are tempted from these pursuits that we find the learned professions overcrowded. There cannot be an over-production of wheat, potatoes, etc; but there can be an over-production of clergymen, lawyers, doctors, and teachers. These latter can cater for the wants of only some four million people: farmers can cater fer the wants of all Europe in addition. to all America. Two hundred millions of people are ready to buy wheat-Canadian wheat if they can get it ; only four milliuns of people can use Canadian clergymen, lawsers, doctors, or teachers. But on this subject we shall have much to say in a future issue.

## Contemporary Thought.

Atrestion has also been called in the Times to a matter which arouses interest in some Canadian circles. in reviewing editorially the report of the Minister for loreign Affairs of the leingdom of Jlaw:ii, the 7ämes dwells upon the fact that Camada will now become a formidable competitor for the trale of the lracifie, which has bitherso been almost monozolizel by the United States. It states that negrotiations have leen begun by the Ilawaian Government, through the Colonial Ofiec, with the Government of the Dominion, and proposals for a treaty of reciprucal free trade be iween Canada and llawaii were not unfavourably enterlained boin by the Colonial Office and the Dominion Govenment.

Tiry history of education from the carly Christian centuries throughout the middle-age periol is the expression of 2 one-sided development statting fromia misunderstood Chrislianity. The new religion was contra-natural, contra-eanthly; its training was for heaven. Thouth some may clain that this teaching did not lie faisly in the aathoritative records of the Churel, there was much in these records to favour it, and much more still in the situation of the first Chtistians. l'ersecution would force atiention from things semporal to things cernal. The present would be but a erial, a testing. This misinterpretation was laid upon the early Christians even as it scems to be laid upon many unfortunate souls to cay. Thuse for whom life is a ecasciess curse need such power as may well be said to come from on high to place the blame where it belongs, on broken law and wasted opprostunits. The goipel of a heaven on earth, of a heaven in and by law, of a heaven in and ly the present tight life, is not even now fully come, though we give thanks for its presence here and here.-l'op:ilar Science .Monithly.

No child should ice allowed to speak inconsectly. If you do not teach your litte one to enunciate clearly at first, it mas be impossible later on ; but not only be careful as to enunciation, but as to use of words. Take pains to explain why one word is correct, another insorrect. Teach your child how to ofien the lips well ; do not allow him to talk together in one key, and take care that any nasal twang is carefully cortected. If a boy talks in a high, effeminate voice, cultivate his chest tones jatiently but firmly-he will bless you in later years for what at present sorely tries his patience. lie carcful that your girl has that " most excellent thing in woman"-a suft voice Any inclination tostammering should be watched; the child should be trained to read aloud very slawly and deliberately: As it may grove helpful to some one, 1 will quote a se: of rules given hy Clasles hingsley to cure stammering, only promising that a child could lie made to hold the upper lip down with his finger during his half hour of practice. Open your moulb. Take full breaths and plenty of them, and mind your stops. Keep your tongue quiet. Keep your upper lip down. Use your jowes lip. Kead to yourself out loud. Kead and speaki slow, low, slow.-Erosilyn Ifagazine.

Caklytee saidiats translators ${ }^{\circ}$ were honest met who indulged in no vagaries, but have literal ren-

- Of the Old Vernion of the Bible.
derings, under uain of eternal damnation. Nence it is albsolutely the best translation in the world. tle spoke of the Bible as the Grand Ohl llouk, crammed full of all manner of practical wistom and sublimity-a veritable and articulate Divine message for the heavenward guidance of man. Refering to the New-Version of the Scriptures, then leing prepared, he said that, of course, but for such revision, we would not have had our present translation, so that he could not logically oppose it: but that his whule feetiog went surely aypainst altering of a single word or phtase, for he liked to use the very words his muther had taughe him; and that dear old associstions should be unditurlect. Fur long so book had by him leeen read so much and so often. It was not only imteresting as matter of fact, and unapproachable in style, hat entitely satisfactory; because, while plowing with the Divine, it was also intensely human, and, in short, the real thing to which a man could turn for all kinds of need. He often read through a whole prophet or epistle at a time so as to take in the scope; and again, at other times lie liked to dwell Jovingly and thoughtully on a single utterance, till its light enteredthe soul, like a morning sunixcam streaming in througth the chink of a closed window-shuter. - The Christian Sosuser.

Sik Henkr Thomrson thinks that our forefathers did not sufficiently consider this geteat subject [diet]. Like Mir. Squests they have been, he admits, very particular of our morals. He sces a wise and lofty purpose in the laws they have framed for the regulation of human conduct and the satisfaction of the matural eravings of zeligious emotionz. Lut those olher cravings equally common to human nature, those grosser emotions, cravings of the physical body; they have distegarded. "N'o doulh," he says, "there has long been some practical ackinowledgement, on the part of a few educated persor.s, of the simple fact that a man's emper, and consenuenly most of his actions, depend upon such an altemative as whether he habitually digests well or ill ; whether the meals which he eats are properly convertod into heallisy material, suitable for the ceasciess work of building up looth musele and brain; or whether unhealthy products constantly pollute the course of nutitive sipply: lut she truth of that fact has never been generally admitted to an exicnt at all comparable with its exceeding importance." llercin were our ancestors unwisc. The relation betweci food and vittue bir lienry maintains (as did l'gthagoras before him) to be a tery close zelation. His wiew of this selationship is not the view of l'ythagoras, Who, as Malvolio knew, lade man not to kill so much as a woodcoch. less haply he night dispossess the soul of his graidum. Plutarch also was averse 10 a 200 solid diet, for ine reason that it does "very much oppress" those who indulge therein, and is apt to leave behind "malignam selics." Sir Ilenry; in his turn, would not have men to be gres: eaters of beef, though he holds with lilutarch rather than with l'ychaguras, being (so far as I can judge) no believer in the doctrine of metempsychosis. Hut on the influence man's diet has on his conduct no less than his constituition he is very sure: "It is cerrain that an adequate practical recognition of the value of proper food to the in. dividual in maintaining 2 high stanciard of healih,
in prolunging heallisy life (the prolongation of unhealthy life leing small gain either to the individual or to the conmunits), and thas largely promoting checerful ternper, prevalent good-nature, and improved moral tone, would achiceve almost a revolution in the habits of a latge part of the community:-.The I'pular Scietice Alonthly for October.

Turate is a new hind of school and there are new lessons and new teachers coming. Hooks we must have. To learn, we must read. But we may read all alout buats, and jet we can never learn to sail a boat till we take the tiller in hand and trin the sail lefore the breeze. The book will work wonderfully in telling us the names of things in the boat, and, if we have sead about sailing, we shall more quickly learn to sail; but we certainly never shall learn till we are in a real louat. We can read in a book how to turn a heel in knitting, and may commit to memory whote rules about "throwing off two and purl four," and all the rest ; yct where is the gitl who can jearn to knit without having the needles in ber hands? This then is the idea of the new school-tio use the hands as well as the cyes. Hoys and girls who go to the ordin:ry schools, where only books are used, will graduate knowing a great deal; but a buy who goes to one of these new schools, where, besides the books, there are perecils and tools, work-benehes as well as writing-books, will know mute. The other boys and gitis may forget more than inalf they read, but he will semember everything he learned at the drating-table or at the work-bench, as long as he lives. He will also remember more of that which he reads, because his work with "is hands helps him to understand what he tead'. I sememier loug ago a tear-stained bock of taliles of weights and measures, and a teacher's impatience with a stupid child who couid not master the "tiables." And 1 have seca 2 school where the tables were written on a black-board-thus: " iwo pints are cqual to one quart," and on a strad in the school-roum was a tin pint measure and a in quart measure, and a box of dry sand. Fivery haply youngster had a chance to fill that gint with sand and pour the sand in the quart measure. Two pints filled it. Ile knew it. Did he not sec it, did not every boy try it? Ah! Now they knew what it all meant. It was as plain as day that two pints of sand were equal to one guart of sand; and with merry smiles those six-jear old philosophers learned the tables of sneasures; and they will never forget tinem. This is, in brief, what is meant by industrial education. To Jenm by using his hands-to study from things as weil as from looks. This is the new school, these are the new lessons. The childiren who can scw, or derign, or draw, or carte wood, of do joincring work, or cast metals, or work in clay and litass, are the best edueated children, because they use their hands as well as their eyes and their brains. lou nays say that in such schools all the boys will become mechanics, and all the girls become dresimakers. Some may, many will not; and yet whatcuer they do, be it preaching, keeping a store, or singing in concerts, they will do their work lelter than those who only read in books. - From "Thie Childres's Exhibision." by Charics Barnard, in the St, Wicholar for Oclaber.

## Notes and Comments.

We notice that in the list of books given in our issue of September 3oth as suitable for a high school course, the name of Mr. I. J. Birchard, one of the authors of "The High School Algebra," was inadvertently omitted. A work which bas received such high en. comiums (in our own columns as well as elsewhere) as "The High School Algebra," should have been more accurately described. We hasten to rectify the mistake.

Messas. J. W. Queen \& Co., of Philadelphia (whose advertisement appears in this issuc) are making a specialty, we hear, of sets to be used to illustrate different textbooks, and are prepared to furnish sets to illustrate the course recommended by the Educational Department for Canadian schools. This firm are large dealers in scientific apparatus, including physical, chemical, and physiological instruments and appliances, such as are used in universities as well as those intended for high schools and academies.

Tue editor of the Central School Journal (Kicokuk, Iowa) forcibly says: "There are few sights more pitiable than the hack teacrier, whose only interest in the work is in her monthly stipend; who sees the morning hour of aine with a shudder, and hails the evening hour of release with unspeakable joy. She hates her work, and possibly herself for doing it. Wnat kind of interest and spirit can such a teacher instil into the minds of her pupils? what kind of a leader is she? A mere time-server- 2 worse than slave. We would to Heaven that our profession might be rid of these creatures, who, while decrying the work of the teacher, detract from the dignity and worth of the profession."

Mr. Horatio Hale's "The Origin of Languages, and the Antiquity of Speaking Man," an address befure the Section of Anthropology of the American Association for the Advancement of Science, at Buffalo, August, i886, deserves a long and careful review. If Mr. Hale's theories are valid, a revolution in ethnological and philological investigation will be the result. Mr. Hale approaches his subject from an anatomical or ra. or physiological point of view, one quite new, we believe, to philologists. He bases his investigation chiefly upon the convolution in the brain the function of which is that of articulate speech-the third left frontal (Broca's). The subject is so important, and the writer so distinguished, that we hope shortly to devote much space to a review of Mr. Hale's.address.

We mentioned recently that Dr. C.esswell Hewett, of Lincoln's Inn Fields, iad discovered the synthetical or artificial mode of
making quinine, by which the price of that drug will be reduced to something like 3d. per ounce. The importance of this discovery (which was made two or three weeks ago through the accidental breaking of a medicine bottle) is rendered greater by the fact that while hitherto we have been depending for our quinine upon the cultivation of the chincona tree, from whose tark only about 2 per cent. of good quinine can be extracted, 98 per cent. being valueless, the drug can now be manufactured without limit by a very simple process from an article which can always be got in abundance in any part of the world. A few days ago, Dr. Hewett submitted a sample of his preparation to Messrs. Howard \& Sons, quinine manufacturers, Siratford, who have expressed surprise at the result of their analysis, the sample being equal to the best quinine in the market. The discoverer is about to communicate with the Government, who annuaily spend in India alone about $\int 60,000$ in the cultivation of the chircona tree.

An International Congress on technical education, commercial and industrial, was opened on Tuesday, September atst, at Bordeaux. The Ministries of Commerce, Public Works, and Public Instruction sent representatives to the meeting. There were also present delegates from England, izelgium, Russia, Switzerland, Italy, Servia, Roumania, Spain, Portugal, \&c. At the meeting on Wednesday Sir Philhp Magnus, president of the Technical Institute of London, read a paper on rechnical education in England. He stated that the English are no longer so deperdent as they were on Parisian anists for industrial designs, and that they now almost exclusively employed English draughtsmen in manufacturing lace, carpets, wallpapers, cartains, and furniturc. M. Roy, the delegate of the Chamber of Commerce of Paris, replied to these statements. He admitted that, in consequence of the very meritorious efforts of associations and private persons, the production of articles of luxury had made great progress in Engiand under the direction of Parisian managers, tempted to cross the Channel by the attraction of high salaries. But much was still wanting to elevate the taste of the English to the French level. Especially with regard to tissues, Lyons, Saint Etienne, Rouen, and Roanne maintained an incontestible superiority. It should, however, M. Roy added, be admitted that English competition was in the main a fair ore. The case was quite different as regarded German competition. The English strove to equal the French by improving their methods, and getting their work done by good men. The Germans purely and simply appropriated French patterns, and reproduced them in inferior goods, which they sold as French products. M. Roy had no hesitation in saying that, as
regarus the greater number of products, France could manufacture more cheaply than England, and uith the same cheapness as Germany. The Germans and the English were spreading reports everywhere that the French could not manufacture cheaply. They knew better than anybody that this was a complete error. But they also knew that the best means of closing the markets against rival manufactures was to say that the goods of the latter were dear. By dint of hawking about this calumny in all directions Europe had begun to believe it, and the error iad even taken root in France.

In answer to correspondents we publish the following information:
The special subjects for First Class, Grade C, for.1S87, are :-
Thomson, "The Seasous,"-Autumn and Winter.
Southet, "Life of Nelson,"-last three chapters.

Suakesteare, "Merchant of Venice," instcad of "Timon of Athens."
For Grade $A$ and 13 the course in English is :-
Composition:

1. History and Etymulogy of the English Language; Rhetorical Forms; Prosody. Books of Reference : Earle's l'hilology of the English Tongue ; Abbot and Seeley's English for English people; Bain's Composition and Khetoric, or Hill's Rhetoric; Marsh's English Language and Literature, Lectures VI. 10 XI. inclusive.

## Literature:

1. History of English Literature, from Chaucer to the end of the reign of James I. Books of Reference : Craik's Mistory of the Englisin Literature and L-anguage, or Arnold's Literature, English Edition ; Marsh's English Language and Literature, Lectures VI. to XI. inclusive.
2. Specified works of standard authors as prescribed from time to time by the Department.

## History:

Greece.-the Persian to the Peloponnesian War inclusive ; Cox's History of Greece (unabridged).

Rome.-From the beginning of the Second Punic War to the death of Julius Cicsar ; Mommsen's History of Rome.

England.-The Tudor and Stuart Periods, as presented in Green's Short History of the English People, Macaulay's History of England (or Franck Bright's History of Englatd, Serond Volume), and Hallam's Constituitonal History.

Canača.-Parkman's Old Régime in Canada.
Geography:
So much Ancient Geography as is necessary for the proper understanding of the portions of the Histories of Greece and Rome prescribed.

## Literature and Science.

## STONYHURST AVD /IS SYSTEM.

Ir will be interesting to examine the course of training and study in Stomyhurst Jesuit College,* which is the same in every Jesuit college, and has scarcely changed since the time of Loyola. It is easily adapted to the requirements of tine time. but its spirit is atways the same. The breadth of the gystem is beat seen by a glance at the sreat dictionaries or encycio. pardias, such as the "Imago l'rima Sieculi," and those three large volumes, double-co'uunned and closely printed, comtaining an account of all the jesuit writers, in which their learning and literature are set out at length. Here we find writers in all depart-ments-belles-lettres, poetry, Latin plays, and the graceful application of science, as well as contributors of huge folios, "dungeons of learning " in theology and science. Of all the relighous orders this society has alone furnished conspicuous astronomers; and the names of kircher and Seccini would alone give the Jesuits an honourable place. Some of their class-books have long done duty in English schools; and the "Gradus ad l'arnassum" and Alvarez's prosody attest their educational skilif. Versatility is a great aim of the system; and much is left to the personal influence of the master, who "goes up" with his scholars, fro:m the bottom through all the classes to the top. Of course there is the objection that the instructor comes new and inexperienced to his dulies in each successive class; but it is thought that the disadvantage is counterbalanced by personal influence and knowledge of character.

The routine arrangement for instruction differs litule from that of other schools. There are seven classes-forms, as they are elsewhere called: here they are styled schools. The lowest is elements, next follow figures, grammar, synax, poetry; thetoricall significant names. The usual familiar works of the classical writers are read in the lower classes, from C:isar and Risop and Lucian np to Cicero; Virgil and Homer are commenced in symax; in the next class Horace, with Latin verse-making; while in rhetoric, Greck plays, with the course of the university entrance, is followed. Much attention is given to the higher mathematics and the sciences, and their study is stimulated by prizes of scholarships of $\int 25$ and upwards. The college observatories, mag. netic and astronomical, form one of the recognized seven observatories of the kingdom that register observations. Here the director is Father l'erry, whose name is well

[^0]known to men of science. The society encourages its cleverest stude:ats to study for honours and take degrees in the London University, which rosters a scientific tone.
Here flourishes, 100 , a departinent which attracted some attention during the Tich. borne trial-the class of "philosophers," who live apart under comparatively luxuri. ous conditions and prosecute their studies after the manner of university life. They are for the most part youths of fortune or incapacity, too old or too idie to go through the classes, and too joung to be cast loose on the world. They are under control, yet enjoy a certain libetly, while a modicum of instruction suited to their capaclty or needs is supplied to them. Others devote their "case with dignty" to serious studies preparatory to the army or some other profes. sion. There are plenty of professors and masters, and any one wishing to give himself up to study with ardor finds the most cordial co-operation. Nor must we overlook some minor agencies which have always been largely used by the society in imparting a taste for the graces of literature. The book gatherer and stall-hunter has often lighted on the little stout volume of classical plays writien in Latin, by some one of the fathers, and performed by the students on great festivals. Some works of this kind have been brought out in sumptuous fashion; and the well-known lère de la Rue, or "Rurr יs," as he is known to the readers of the Delphin classics, was particularly dis. linguished as a dramatist of this iype. At Stonghurst the stage for about sixiy or seteniy years became an almost educational institution, and until very recently was maintained on a rather ambitious scale. The custom was, that about the beginning of December a regular theatre, complete in scenery, traps, etc., was built, and for a whole month careful instruction and reicears. ing went on. At Christmas there was a season of about ten performances. These dramatic evenings were much relished; the college band performing between the acts, the whole having quite a "footlights" flavour. From the play-bills I find that the " stock" pieces were "Hamlet," "King Lear," "Merchant of Venice," "3acbeth," "Cure for the Heartache," "Specd the llough," "Rivals," "William Tell," "Guy Mannering," "Rob Roy," "Castle Spectre," "Castle of Andalusia," and some others. The actors were well trained, while for the audience there was a certain education in poetry, feeling, and character, in spite of the fact that the dramas were presented in a rather mained way; for by an inflexible rule enforced lor centuries all female characters are tabooed. It may be conceived what an appearance was presented by "Hamlet" and " Macbeth" minus Lady Macbeth, the queen, and Ophelia; these persunages, ac-
cording to precedent, being ingeniously or clumsily recast in the character of one of the other sex. A traditional receipt was followed; the speeches of the young lady heroine boing transferred to a male cousin or brother who acted ar a deputy, repeating his sister's or cousin's speeches to an invisible inamorata. Mrs. Malaprop thus became an eccentric old bachelor. All this might seem grotesque cnough to those familiar with the play; but to those to whom it was utterly unknown it made little difference. The poetical plays were perhaps the most popu. lar. They were set off with the finest dresses; for the green-room wardrobe was fully stocked, and might have set up a country theatre. "Hamlet," a triumph of judicious manyling, was always followed with breathless interest.
Much insistence was laid on public exhibitions or trials renewed periodically; when pieces in Enghsh, Greek, and Latin were recited, and examinations invited in specified books. This was done with a view to encourage readiness and dispel shyness. Between the parts the college band performed. Conceits, to0, were much encouraged ; there was a standing chorus, great in gites, with some sweet voices in it capable of fair solo performances; and, in my time there was a very respeciable band.

All thes influences duly methodized and controlled, were held to be parts of education. But latterly these have been shaped to "suit the times." The requirements of parents and guardians have proved 100 strong even for the rule of St. Ignatius. The theatrical season at Christmas has been abolished, owing in part to the disappearance of the audience itself; for in these days of easy travelling parents and guardians have their children with them at home at that season. At particular seasons however-as at Shrove-side-theatrical exhibitions on a small scalc are still given; and in this way all the Gilbert and Sullivan operas have been regularly produced as they came out.

But the most pleasing kind of festival is that of the annual "academies," or "break-ing-up day." loor the schoolboy there is something almost entrancing in the feeling that his drudgery is over, and that enlargement, long pined for, is at hand. Then there are the sperial glories of the day; the delightful flutter of exhibition, the crowds of strange faces beaming pleasantly, the goodnatured relaxation of laws; and then there is the soft regret at departure and the dissolution of a year's companionship. For the older pupils of the place, returned after an interval of many years, the scene naturally calls up a littic tumult of emotions. As they wander through the old halls, it seems ljke passing into a dream; the old thrill and boyish delight sevive in a ghostly way and "walk." This bright and tranquil summer
morning is the morning of thirty years ago, and we see that other self of ours among these lads. It used to be a strict law that ladies shouid not find admission; and the late Mr. Shiel, one of the earher students, described in some pleasant sketches the sternness with which mothers and sisters and cousins and aunts were turned from the gates. But the college has " moved with the times;" nowadays nothing can be gayer or more brilliant than the scene when the exercises begin and the handsome spacious exhibition-room is crowded with these fair perturbers. The glories of the cuay have, hrwever, been somewhat curtaited. Formerly, when trains were few, the pupils departed on the morning after the festival; vow it is an object to get home as quickly as possible, and there is an eagerness to catch the afternoon trains. Hence the exercises are hurried, and by three o'cluck the great gate offers a busting spectacle akin to that of a crowded railway station.-St. Jumes's Gazctle.
(Tobe continucd.)
Special Papers.
CONSERVATISM AND REFORM IN EDUCATIONAL MIETHODS.
(firad hefore she Onfario Tratisers' lisociation, July 23th. 1536.)
"Everiwhere there is a ciass of men who cling with fondness to whatever is ancient, and even when convinced by overpowering reasons that innovation would be beneficial consent to it with many misgivings and forebodings. We find also everywhere another class of men, aanguine in hope, bold in speculation, always pressing forward, quick to discern the imperfections of whatever exists, disposed to think lightly of the risks and inconveniences that attend improvements, and disposed to give every change credit for being an improvement. In the sentiments of both classes there is something to approve. But of both the best specimens will be found not far from the common frontier. The extreme section of one class consists of bigoted dotards; the extreme section of the other consis:s of shallow and reckless empirics." Thus does England's great historian characterize the two great political parties which for 250 years have alternately held sway in l3ritist, politics. And thus may we aptly characterize the two great parties in the educational world which are to day struggling for supremacy. Everywhere we find schoolmasters in the bonds of prescripion, uttering with confidence the famous dictum of the preacher, "The thing that hath been it is which shall be; and that which is done is that which shall be done; and there is no new thing under the suv." And everywhere we find schoolmasters who, like the Athenians of uld, "spend their time in
nothing else but either to tell or to hear some new thing." And in the domain of education, as in that of politics, we shall find the best specimens not far from the common frontier; and perhaps after diligent search we may find in some remote corner of the land the bigoted dotard and the reckless empiric. But a strange thing is to be noticed here in passing-conservatives in politics are often reformers in education, and radical politicians often cling with tenacity to the educational tenets of their fathers. Why conservatives do not conserve in all things and why reformers are not always anxious for reform is a question interesting but quite foreign to the present topic of discussion. The theme of this paper leads us to a brief examination of the most striking differences between what have been styled " The Old Education" and "The New Education "-differences not in the sibjects of education but in the processes of education, not in educational curricula but in educational methods. Methods and curricula, however, are so interdependent that in dealing with the former one must frequently make referer.ce to the latter.

At the outset we must be careful not to be misled by phrases. "The New Education" is a plarase now on the lips of all educa. tionist: Its meaning is not indefinite, but the appellation itself is a misleading assumption. The "New İducation" is new in its widening sway, but it is as old as Prato and Socrates in some of its leading principles, and it owes to the baconian philosophy its spirit of investigation. The "New Fiducation" is largely new in its practical application in the school-room, but a century ago Pestalozzi was engaged in his philanthropic labours. There are those who with reverence actually regard Col. Parker as the great apostle of the new ideas; but when Col. larker was in his cradle the forces were silently at work which are new causing such a stir on this continent. The Pestalozzian principles took root in America many years ago, principally through the labours of Mr. Page and Prof. Agassiz. Col. Jarker is the leading, because the most enthusiastic advocate of the "New Education" in America, but to call him the founder of a new scheme of things is to discredit the unselfish labours of many earlicr and silent workers in both hemispheres, and to check the advance of the new methods by exciting the an:agonism of those who are repelled by the dogmatism and extravagance of the leading disseminator of the reputedly new doctrines. To glorify any one suan for having discovered such pedagogic laws as," Proceed from the known to the unknown,"" Put ideas before words," "Never do for a child what he can do for himself," is to display dense ignorance and to throw ridiculc on the cause of advancement.

Although the new ideas had their first practical application in the schools of Ger-
many, still even in Britain, the land of ellucational conservatism, there 'ove been for many years spasmodic yearnings for cducational reform. Milton and Locke, (ioldsmith and Addison, uttered fecble protests against prevailing follies. In more recent times Scott and Thackeray and Dickens spoke with ridicule and contempt of the typical pedagogues of their times. Dr. Arnold, of Rughy, was the first English schoolmaster to declare that leading principle of the "New Education," "It is not :nowledge but the means of gaining knowledge that we have to teach." Macaulay thus describes the pedagogism of twenty centuries. "Words and mere words and nothing but words had been the iruit of all the toil of all the most renowned sages of sixty generations, during which time the human race instead of marching merely marked time." And now we are done with marking time and have begun to march again. It took a century to make preparations for the advance, but "Forward" is now the word "all along the line."

With the old methods of education we are all perfectly familiar, for it has fallen to our lot to live in the transition period of educational thought, and most of us were reared in the reign of Rod and Rote. Some of us were so fortunate in the days of our youth as to be able to say, "Thee lines are fallen unto us in pleasant places," but ill was the heritage of the many tweuty years ago. Even now many of the old methods ate in full swing in hundreds of schoois all over the land, and they exercise their baleful influence to a greater or less degrec in every school from the humblest to the highest throughout this broad Dominion. The carriculum of every Public Schoo!, of every High School, of every academy, of every college, of every university in the land imposes upon its students such studies, and shackles them with such tests that it is simply inpossible to carry out the new principles in all their fulness. The old studies, and the old order of attacking those st:adies, and the old methods of testing progress in those studies produce limitations so .onfining that the new ideas necessarily have a sluggish growth. But they are growing, nevertheless.
Let us now briefly compare ti.e "Old Education" and the "New Education," with special reference to guiding principles, and to the methods employed in working out these principles; and you will allow me io describe these systems in a series of contrasis. Although almost all rhetorical antithesis are unfair, as they contain an element of hyperbole, still they are invaluable for purposes of this kinl. The "Old Education" was not entirely vicious; nor can we suppose that the "New" is entirely excellent; but the former embraced so many defects, and the latter offers so many aduantages,
that for the sake of a clear presentation (even at the risk of being misunderstood), I may. seem for the montent to rob the "Old" of all its saving graces, and to clothe the "New" in a too attractive garb.

The motto of the "Old Education" is "Knowledge is power." And so it is. Hut the experience of centuries has proven that knowledge is not the greatest power. The omniscient man is not always the omnipotent man. In the realm of mind the scholar is offen distanced by his inferior in knowledge. The motto of the "New Education" is "Activity and growth are power." A good saying it is, too, but not entirely novel. Its essence was one of the apollegms of Comenius, the distinguished educational reformer of the seventeenth century; "We learn to do by doing." The "Old Education" stored the m. 'd with knowledge, useful and useless, and only incidentally trained the mind. The "New Education" puts training in the first place and makes the acquisition of knowledge incidental.

The " Old Education" was devoted to the study of books. Moo often the text-books were used as an end rather than as a means. "How far have you been in Sangsier's Arithmetic ? " and " How farliave you learned in Bullion's Grammar ${ }^{\text {'" were common }}$ queries of the schoolmaster in the old days, and these queries betrajed the educational aims of the questioner. Quantity was everything; growith was litile or nothing. The "New Education" is devoted more to things than to books. Text-books are used, but only as repositories of knowledgejto be consulted as occasion requires-that is, they are used not as an end but as a means of gequisition and improvement.
The "Old Education" iwas fond of memoriter recitation. In fact, "learning the lesson " was the be-all and the end-ail of the schoolroom. How many a woe-begone victim has felt the weight of some martinct's wrath because of ignommous falure in reciting some precious morsel like this : " $A$ Kelativa l'ronoun, or, more properly, a conjunctive pronoun, is one which, in addition to being a substitute for the name of a person or thing, connects its clause with the antecedent, which it is introduced to describe or modify." To repeat words correctly was everything; to undersiand them was of secondary imporiance. In all branches of study definitions had to be carefully memo rized as a basis for future work. The "New Education" reverses all this. What Coleridge calls "parrotry" is reduced to a very comfortable minimum. Defintuons have their place, but if they are memormed it is at the final rather than at tue initial stage in the pursuit of a study or topic. Original human thought takes the phace of imitative jargon. Intelligible facts displace unintelligible rules and definitions.

The " Old Education" was eminently sub
jective, dealing largely in abstractions. The "New Eiducatiou" employs objective me. thous, preferring the presertation of truth in the concrele.
The "Old Education" began its work with the unscen and the unfamiliar, and dangercusly taxed the weak reflective faculties. The "New Education" begins with the seen and the common, and gradually develops the reflective faculties by reference to knowledge already obtained by the strong and active perceptive faculties of the child. The former system initiated the tyro in geography by jorcing him to commit to memory the names of the countries and the capitals of Europe ; the latter leads him on a happy jaunt over his immediate environment. The former asks the litile head io carry the names of all the bones in the skeleton of a rhinocerss; the latter ahows to fascinated investigators the anatomy of a leaf. The former taught our infant lips to lisp the dimensions of ancient Babylon, and the name of Jupiter's grandmother : the latter opens dull cars to the melody of birds, and unfilms dim eyes to behold the glory of the heavens. The wail of Carlyle will find an echo in many hearts : "For many years," says he, "it has been one of my most constant regrets that no schoolmaster of mine had a knowledge of natural history so far at least as to have taught me the grasses that grow by the wayside, and the little winged and wingless neighbours that are continually urecting me with a sulutation which I cannot answer, as things are. Why did not somebody seach me the constellations, too, and make me at home in the starry heavens which are always overhead, and which I do not half know to this day?"
The old system of tuition was marked by mechanical routine; the new boasts of almost complete absence of machinery, of infinite varicty of programme, of multiplicity and attractiveness of devices. On the one hand joyless thraldom and lifeless monntony; on the other continual noveliy and an exhilarating sense of freedorn.

In the old order of things each subject in the curriculum was regarded as a distinct entity, and was entirely isolated. The new order of things requires that the subjects should be so co-ordinated and studied together, that each as far as possibie may be the ally of some other. Thus geography is the handmaid of history. Thus reading, writing, spelling and composition go hand in hand as far as possible. The spelling.book is discarded as a useless educational tool; and English composition, which had its fortnightly terrors in the past, has become the most seductive of school occupations and is practised every day in the year.

In the old days among teachers there was common a most perniaious though bencvolent vice, the vice of talking too much-called ty someone " the didactic disease." The teacher was prone to tell everything, to explain every-
thing, leaving the pupil little to do but everything to learn. The new method-if I may call it new-a method praclised so persistently and successfully by Dr. Arnold-is, that the pupil should do the maximum of original work and that the teacher should give lim the minimum of assistance ; in o.her worde, the pupil must think and show resuits, the teacher must study to hold his own tongue as much as possible.
The "Old Education " was not only faulty, it was also one-sided. Certain faculties of the mind were exercised, while the body and the heart were neglected. One of the ruling principles of the "New Education" is, "Harmoniously develop the whole being, the mental, the moral, the physical."

The "Old Education" carried the military idea into the schools and taught by squads, and companies, and battalions; and the "boding tremblers" were apparently under good discipline, but it was the discipline of subjection and fear, not the discipline of freedom and love. The "New Education" carries the method of the Great Teacher into the schools and pays much attention to individuals. The former system attended to the aggregation and almost neglected the unit. The latier studies the peculiarities of each child and adapts its teachings to ins past experiences and his existing attitude ; a 7d thus the dull pupil receives, as he shouid, more attention than the brilliant pupil.
The "Old Education" made much of examinations. The passing of examinations was the goal in all grades of schools. The preparation for examinations was the constant and debasing soil. The examinations, like the text-books, instead of being kept in their proper place as a useful means for 2 desirable end, usurped the exalted place of the end itself, The "New Education"puts written tests in their proper and secondary place. Examinations and promotions are not continually before the pupn's mind; and when written examinations are held, their old use is abandoned. The questions are such as test not so much the pupll's knowledge as his power of doing. And I suspect that those departmental examiners who last month incurred the wrath of so many teachers had good intentions. They doubtless desited to test not so much the erudition of candidates as their creatuve power, ingenuity and skill.
from the days of the ancient pedagogue, the flogging Orbilius, who flagellated Greek knowledge into the poet Horace, down to times within the ineinoty of persons now living, it was almost universally supposed that new ideas made their way to the brain through the avenue of the finger tips. The traditional schoolmaster was always represented with ferule in hand, and the representation in many cases was not a caricalure. But the reign of force has ceased and the reign of good-will and cheerfulness has begun. Teacher and pupil are not now sworn foes; they are linked together by mutual confidence, respect and courtesy. The old relationship of antagonism has by a wonderful metamorphosis developed almost into comradeship.
]. E. WETHEREfl.
(Tobe continucd.)

## Educational Opinion.

## MATTHEW ARNOLD ON FOREIGN SCHOOLS.

Alosg with the fuller programme and longer course of German schools, 1 found, also, a higher state of. instruction than in ours. I speak of what I saw and heard, and of the impression which it made upon me after seeing English schools for more than thirty years. The methods of teaching in foreign schools are more gradual, more natural, more rational than in ours; and in speaking here of foreign schools, I include Swiss and French schools as well as German. I often asked myself why, with such iarge classes, the order was in general so thoroughly good; and why, with such long hours, the children had in general so little look of exhaustion or fatigue ; and the answer I could not help making to myself was, that the cause lay in the children being taught less mechanically and more naturally than with us, and being more interested In the teaching of Arithmetic, Geometry, and Natural Science, 1 was particularly struck with the patience, the clinging to oral question and answer, the avoidance of overhurry, the being content to advance slowly the securing of the ground. This struck me the more, because in these matters, in which 1 am not naturally quick, 1 always had, as a learner, the sense of being over-hurried myself by my teachers; and in tise forcign schools I constantly felt that, if I had been taught these matters in the way in which I heard them taught there, I could have made progress. I am told that young men studying for Woolwich, who go to Germany to learn the German language, are at first struck, in the schools there, with the Mathematics being much less advanced than at home; but presently they find that the slower rate of advance is more than compensated by the thoroughress of the teaching and the hold gained upon the matter of study. I speak with nesitation, however, on these matters, and often I wished for some of my more competent colleagues to be with me, that I might have pointed out to them what struck me, and have asked them if they could help owning that it was so. At any rate, the impression strongly made upon me was such as I have described.

The same thing in teaching the elements of writing and reading, and in training children to answer questions put to them-the same patience, the same care to make the child sure of his ground. A child, asked a question, is apt to answer by a single word, or a word or two, and the questioner is apt to fill out the answer in his own mind and to accept it. But in Germany it is a regular exercise for childre:i to be made to give
their answers complete, and the discipline in accuracy and collectedness which is thus obtained is very valuable.

But the higher one rises in a German schosl, the more is the superiority of the instruction over ours visible. Again and again I find written it ony notes, The chiol. dren humat:. They had been brought under teaching of a quality to touch and interest them, and were being formed by it. The fault of the teaching in our popular schools at home is, as I have often said, that it is so little formative; it gives the children the power to read the newspapers, to write a letter, to cast accounts, and gives them a certain number of pieces of knowledge, but it does little to touch their nature for good and to mould them. You hear often people of the ricier class in England wishing that they and their children wete as well educated as the children of an elementary school; they mean that they wished they wrote as good a hand, worked sums as rapidly and correctly, and had as many facts of $\varepsilon$ ography at command; but they suppose them. selves retaining all the while the fuller cultivation of taste and feeling which is their advantage, and their children's advantage, over the pupils of the elementry school at present, and they forget that it is within the power of the popular school and should be its aim, to do much for this cultivation, although our schools accomplisi, ior it so very litte. The excellent maxim of that true friend of education, the German scheolmaster, John Comenius, "The aim is to train generally all who are born men to all which is human," does in some considerable degree govern the proceedings of popular schools in German countries, and now in France also, but in England hardly at all.

In the specially humanising and formative parts of the school work, I have found in foreigu schools a performance which surprised me, which would be pronounced good anywhere, and which $I$ could not find in corresponding schools at home. I am thinking of Literature and loctry and the lives of the pocts, of Recitation and Reading, of History, of Foreign Languages. :Sometimes in our schonls one comes across a child with a giff, and a gift is always something unigue and admirable. But in general, in our elementary schools, when one says that the Reading is good, or the French or the History, or the acquaintance with poctry, one makes the mental reservation-"good, considering the class from which the children and teachers are drawn." But in the foreign schools, lately visited by me I have found in all these matiers a performance which would be pronounced good anywhere, and a performance, not of individuals but of classes. At Jrachenberg, near Dresden, I went with Mr. Grullich, the Inspector, into a choolroom where the head class were read-
a ballad of Goethe, Der Situcer; Mr. Grullich took the book, asked the children questions about the life of Goethe, made them read the poem, asked them to compare it with a ballad of Schiller in the same volume, Der Graf won finhshurs, drew from them the differences between the two ballads, what their charm was, where lay the interest of the Middle Age for us, and of Chivalry, and so on. The performance was not a solo by a clever Inspector; the part in it taken by the children was active and intelligent, such as would be called good if coming from children in an altogether higher class of school, and such as proved under what capable teaching they must have been. In Hamburg, again, in English, and at \%urich in lirench, I heard children read and translate a foreign language with a pouer and a pronunciation such as 1 have never found in any elementary school at home, and which I should call gond if I found it in some highclass school for young ladies. At Zurich, I remember, we passed from Reading and Translating to Grammar, and the children were questioned about the place of pronominal objects in a lirench sentence. Imagine a child in one of our popular schools knowing, or being asked, why we do not say on me le resed, but on le lui rend, and what is the rule on the subject !

The instruction is better in the forcign popular schools than in ours because the teachers are better trained. But that they are better trained come from a cause which acts for good upon the whole of education abroad-that the instruction, as a whole is better organized than with us. Indeed, with us it is not, and cannot, at present, be organized as a whole at all, for the public administration which deals with the popular schools stops at those schools, and takes nto its view no others. But there is an article in the constitution of Canton \%urich which well expresses the idea which prevails everywhere abroad of the organization of instruction from top to bottom, as one whole, -"Dic hwhern Leitrantstallen sollen mil der Volkschule in organische Vcrbinatung gebracht werden"-the higherestabh shments for teaching shall be brought into organic connection with the popular school. And men like Wihelm von Humboldt in Germany, or Guizot or Cuzon in France, have been at the head of the public administration of schools in those countries, and have organised popular instriction as a part of one great system, a part in correspondence of some kind with the higher parts, and to be organized with the same seriousness, the same thorounh knowledge and large views of education, the same single cye to its requirements, as the higher parts.

Knowledge is no part of an education.Prof. Stanzish.

## TORONTO:

THURSDAY, OCTORER 4.1886.

## REKIGION AND EDUCATION

Unoer this title the Etangelical Churchman contained in a recent issue, one of the most liberal toned anticles on this vexed question which we remember to have seen in any denominational paper. "Educution," it says," -by which is not meant merely the instruction of youth in tine usual and necessary facts and fancies which the term usually calls to mind, but something infinitely more wide and far-reaching than a mere effect upon individuals,-education is develop. ment of the best that is in humanity, and the constant reaching out towards the attainment of the highest ideal of life and conduct. This constitutes its relation to religion, which is nothing more than development in the same direction. The term education is popularly applied to mental, religion to moral and spiritual, growth. But each is an expression of a different phase of one and the same truth. Each is so closely identified with the other, that they cannot be divorced or disassociated unless by a misconception or perversion of the meaning of each."

It goes on to explain the source of the misconception which it conceives to have arisen by saying: "The com. mon notion of a religious life is one made up of an almost ceaseless round of devotions, the giving up of every natural desire for pleasure and amusement, and an austere and puritanical observance of rites and ceremonics. But is is not so. The devotional is but one phase of the religious life; pleasure and amusement are not under its ban; and austerity and Puritanism was not the 'Gospel preached in the Sermon on tie Mount.'"
"And now," it concludes,"the real point at issue is reached. The great need of the day is instruction in morality and in the duties of citizenship. And the Sermon on the Mount contains the best ideal code of national and individual morals that ran be found anywhere. It is true this code sets up an -ideal perfection. But does not the grand and ultimate end of human existence consist in the endearour to yealize the highest ideals? The precepts of the divine moral code are the indispensable conditions of a future state of happiness, the realization of which would make a heaven of earth. This is the tremend-
ous meaning of life and rf human existence, and herein consists the supreme importance of true education. The responsibility resting upon the individual and upon the nation is of the gravest chameter. And thus it is that the educational policy of our country-involving such a momentous issue as that of helping to realize the end to which the whole creation moves-should never lose sight of control of the moral instruction of youth, The primary duty of the Church and the Home is to take care of the religious side of life, and of the State to aid the church, by enforcing the moral elevation of its future inhabitants, and by instructing them in the sacred rights and privileges of citizenship. By morality is not meant simply social purity and temperance, but the widest and most generous meaning that can be given to the term. Morality and the rights and duties of citizenshipunderstood in the light of the Sermon on the Mount-contain as much and more vital religion than average humanity in this era can hope even to strive after. Theology, as such, cannot be successfully and profitably taught in our schools; but what can be taught is a system of individual and national morals upon which all can agree,and which all those who have the best interest of the state at heart, do agree, must be a feature of our education. al policy. if our stability as a nation is to be permanent, and if we desire to aid in the grand purpose, and participate in the glorious consummation, of human life,the re-uniting of it with the divine."

And yet we think hat this article, despite its evident advocation of religious instruction, supports the views frequently brought forward in these columns. The Eivangelicul Churchmun rightly draws a line of demarcation between education and religion. "Education," it says, " is detelopment of the best that is in humanity; . . . . . . . religion is nothing more than development in the same directice. , Out on ofther lines." These "other lines," we have always contended, are not the proper sphere of the school master or mistress, but of the parent, the pastor, and the Sunday-school teacher.

Where the Emangelital Churchman errs is in failing to discriminate carefully between morality and religion. In its clos. ing paragraph it unconsciously uses these words interchangably. Morality - the principles of right and wrong, the neces-
sity of always following ${ }^{1}$, e right and avoiding the wrong--such things do come within the province of the teacher. Incessantly, in every lesson, during every hour of schoul-room routine, he ought, both by precept and by practice, inculcate moral lessons. But "spiritual growth" he has nothing to do with.

## STATE INTERFERENCE.

THE following article from the St. John, New Brunswick, Daily Telegraph, is one which touches upun so vital a problem, and touches upon it so clearly and straightforwardly, that we think it well-deserves republication in a prominent place:
"In our time the State interferes, and ostensibly to aid, almost every form of business enterprise. It has interfered with the natural development oi industries by providing for their protection high imporduties on the products of other countries. The natural result was the creation of 100 many factories of certain kinds, with consequent overproduction and financial ruin. The State builds railroads, and provides bonuses for other raitroads to take away the business of the first. The State has undertaken to crect buildings, build piers, erect and maintain ligithouses, dredge rivers and harbours, carry the mails, make roads, and, among a hundred other services, to provide for the education of the children. For every one oi these services as carried on by the State a pretext can be found. He would be a bold Keformer who would undertake to establish that the State ought not to aid at least some of these things. But, obvicusly, there is no logical stopping place for this sort of thing, if the State may properly do such things as it is doing to day in Canada and other countries. In England the telegraph system is made a government service, attached to the post office. There is an essential connexion between the two. A plausible pre. text could Le found for the State acquiring the express business in connexion with the railway, postal and telegraph services. From State railways carrying passengers and freight there is but a step to State steamships carrying people and merchandise across the seas. Where then is all this to stop? Certainly the ten'ency of the times is for the State to acquire more and more of the business formerly left to individual enterprise. And there are many thoughtful and observant publicists tho
thank we have gone too far in that direc. tion already.
"Our public school systen, is one of which we boast. It has done and is do. ing a vast work in training our youth, cradicating ignorance and disseminating knowledge. But on the other hand it is as surely alienating the tastes of young men from the agricultural pursuits which it is desirable that most of them should follow. We have reached a slate of things in which the young men of the rural districte will not stay on the farms their fathers tilled. Say what we may the education of the day breeds dislike for manual labour. The farms go wanting their needed culture while the farmers' sons crowd the ranks of clerkships, the overcrowded professions, or the equally thronged avenues of business callings, or seek for petty government offices, or leave the country. Where will the end be? The important industry of the country is agriculture, the one for which the State does least ; the one which the State burdens to find the money for the ever increasing services which the State assumes. No one conversant with farm life now and a quarter of a century ago, but will see that as a result of changes brought abour by the State (federal and provincial), farm property has been depreciated at lesit twenty per cent., and stripped of the workers to whom farming must look for contin:ance.
"This is not politics but it is bigg. r than politics."

Upon this subject we shall have more to say in our next issue. Mcanwhile we invite the most serious attention of our readers to this topic.

## REVIEH'S AND NOTICES OF BOOKS.

"Mongra Iretrocramar;" by George llunt. ington Williams, of Joins Ilopkins University, is an intercsting monograph upon the application of the microscope to the stutiy of geology. The author only professes to give the reader a general outline of the scope of this, the latest branch of the science of geology, with a brief resume of what has been accomplished by its most distinguished masters. This, however, is done in a clear and coucise manner, with an evident appreciation of the important position this department of science now holds.

The application of the microscope to the study of minerals is not a thing new to scientists, although no practical results were obtained until the investigation of Zirkel and Vogelsang, carried on in Germany between the years $\mathbf{1 8 6 2}$ and 1873. So brilliant, however, were these discoveries that a new impetus was given to the microscopical investigation of rocks, and to-day it may be safely
sait, that in Cierman universities the microscope is considered as important an adjunct to the science of mineralogy and gedegry, as it is to that of his. Jogy. These discuveries, by bringing to light werr very intimate structure, bas revolutionired the fur. mer classifications of a luge number of rochs. This is especially the of the class commonly called Eruplive.

To these the change in classilieation has lieen quite as sadical in its nature as that whichobtained amongst the vertebrate animals when classitied by Cuvier withreference to theit anatomical structure, and not as formerly with regard only 10 their superficial peculiarities and likerazses.

But, more valuable than all this, by means of the microscope a flool of light is being throun upon the origin and his ofy of the primitive crsstalline rocks, regarding which the loouks are filled wih conjectures and hypotheses without number. Indeed, the researches of scientists itn this hitherto unexplored region, have been alteally so extensive that we may shorlly hope to bave as thorough a knowledge of the origin of the early igneous and metamorphic rocks, as we have long had of the more recent sedimentary strata, by the investiga tions of Sir Charles Lyell.

In some few of the American universities, most notably at Johns Ilopkins, instunction is given in the science of petrography, but we believe it forms no part of the course in Toronso University, or the School of Practical Science, a fact much to the deplured.

The recent uncovering of the munimy of Ranneses II., "king of E:sypt and oppressor of the Jews in the time of Moses"-in a word the Pharoah of the Old Testament-is to be commemorated liy Cupples, Uphan \& Co. in an illustrated bromside giving in full Professor Maspero's repurt and the Ietter of Strugsch. leg, with three engravings from photographs of the mummy s'sipped of its coverings and displaying the strongly marked, masterful features.

Tite Allantic Mfonthiy for October contains a goodly list of articles, both heavg and light. Mr. Ilenry Tames" "The Princess Caisamassima" reaches its forty-:ixth chapter: Mr. 13ishop's "The Golden Justice" its thirteenti : "Charles Eghert Craddock's" "In the Clouds"its twenty-fifih. Mr. Hayward speats of "Christo, her Norih" under the title of "A I.iterary Athlete:" $N$. S. Shater writes on "Race l'rejudices;" l:d - ard I Iungerford on "The lise of Arabian Learning." In addition to these the principal papers are "Abraham Lincoln," " Bacon's Dictionay of Boston," and "Ilutchinson's Diary : Second Vulume."

Of "The Sacred lluoks of the East, Transhated by Various Oriental Scholars," and edited by $1:$. Max Mitller, a writer in the Cuarterly Rervicto says: "It is not for the artistic merit of the works it contains, nor for the value of its direct and easily intelligible statements of either ethical or religious thought, that the project of this series of translations demands our hearty sympathy. It is because it brings together fur the first time, and in a shape and manner which make their use easy (o) students, a number of the most valuable ancient records of the early ideas, and customs, and be'iels of mankind, because it gives the authoritative texts which are the only means by which scholars of the requi-
site training will be able to exphain to us some of the most interesting phases of that la er, though still ancient, thought which erew out of those carly; Ineliers, and lecause it bus affurdo the very greatest possithe aid te the comparative study of the history of iileas, and especially of relis as illeas. It is only by mearis of such connected effort that so magniticent a yesult as has been here achieved would te attainable. We may regret that there are at present no trained men set apart for the sudy of such recorik. P'eshaps luefore long there may lee profescorships of the comparative stidy of the history of seligious beliefs at both of our ohd univer-ities Meanwhile we rejuice to notice that a second series of these translatione has been an nouncerl and has actually begun to appoar.
D. C. Ifrarn ic Co. have ready • Dr, (i. Stanle) Hall's select lbibhugraphy of l'edagugical Lit eramte," a solume of over $j 00$ bages made uf of lists of buoks-the best lwolis-covering every department of cducation. "Studies in Greck and Roman llistory," or "Studies in Ceneral llistory," from to00 IB.C. to 476 A. D. By Mary I). Sheldun, recently l'rofessur of History in Wel. lesley College. "Illustrations of Geolugy and Geography." For use in schools and families, By N. S. Shaler, Piofeisor of Palxontology, assisted by W'm. M. Davic, Asst. I'rof. of Ihysical Geography, and T. W. Harris, Assistant in lBotany, Ilarvard University. "The Stuly of Iatin in the I'reparatory Course." IBy Eifward I. Morris, M. A., I'rofessur of Latin, Williams College, Mass. "I'sogressive Outine Maps of North Anuerica, Sout!. America, l:urope, Central Eiurope, Asia, Africa and the United States. Printed on sulbstantial drawing paper, adapted to lead ;ecucil or to ink. The "Desk Outline Map of the United S:ates." Prepared by Edward Channing, Ph.D., and Alloert lhushnell llart, Ih. D., Instructors in Harvard College. " Ilaufs Marchen: Das Kalte Herz." Edied, with Notes, Glassary, and Grammatical Appendix. iby W. 1I. van der Smissen, MA., Le urer on German in University Coilege, Toronto, and cditor of the adinirable edition of Grimu's Darchen. "Elementary Cousse in I'ractical \%ooiogy." By B. I. Culton, A.M., Teacher of Sceence, Ottawa Iligh School, III. " How to Teach Keading, and What to Read in the Schools." Ity G. Staniey Hall, Irofessor of I'sychaloey and I'edagony, Johns Itopkins Uni. versty. "An Introduction to the Study of Robert Hrowning's l'octry:" IB; IIiram Curson, M.A., L.L.D., I'rofeseor of Khetoriz and English L.iterature in the Cornell University.

## BOONS RECEIVED.

Intermediate Piobems in Arithme'ic jor funior Chases. lby limma A. Weich, Montiomery School, Syracuse, N.․․ Syracuse, N. ㄱ.: C. W. Bardeen, pulalisher. iSS6.

Pedagus.cal Buorrafig. No IV. fean fiacgues Roussean. I3: R. II. Quick. Syracuse, N.S": C. W. Jhardeen, pulalisher. isS6.

Pedacesical liograpiy. No. JIJ. Toinn loocke. 13; R. 11. Quick. Syracuse, X.Y.: C. W. Bardeen, publisher. $\mathbf{t S S O}$.
Tofics and Leferences in .fmerican History. With numerous Scarch Quentions. 1By Gco. A. Williame, A.M. Syracuse, N.Y.: C. W. Yardeen, publisher. 1886.

## Mathematics．

## PROBLEMS IN ARITHMETIC

suitable for candidates frefinking fok the entrance examinationco
1．Two－tulums of A＇s money is equal to 3 of 13＇s，and $\frac{1}{8}$ of 11＇s is equal to $\frac{t}{c}$ of C＇s．Altogether they have $\$ \pm, 468$ ；how much money has each ？

2．Find total cost of 1,275 feet of fumber al $\$ 7.25$ per M．；6，743 feet of lumber at $\$ 12.50$ per M．；7，295 feet of lumber at $\$ 7.75$ per M．；7，329 feet of lumber at $\$ 9.25$ per M．； $\mathrm{S}, 753$ fect of lumber at $\$ 5.25$ per M．； 725 feet of lumber at $\$ 24$ per M．
3．What will it cost to purchase bricks for a wall 160 ft ．ling， 6 ft ．high，and is inches thich： bricks being $\$ 6.25$ per thousand，and sachbrick（in cluding mortar），being $S$ inches by $4 \not \approx 2$ inches， and 3 inches thick ？
4．A boy hops on an average 3 yard 3 inches． How many hops will he malie in $3^{3}$ of $x^{2}=$ of 2 mile？
5．A man sold 2 farm for $\$ 7,50$ ，gairing $\$, 00$ and it of cost．Find cost．

6．What number must you add to $75!$ that the sum may be exactly dirisible by $\overline{3}$ ？$?$

7．A can do 2 piece of wark in 3 Z a day；In in $\}$ of 2 day ；$C$ in if days．Find the time in winich all working rogether can do it．

S．The average of fire numbers is $7+43^{4}=:$ ：the first number is 756 ，the second 234 ，the third $S 12$. If the last two are equal，find them

Answers will be given in a fature issuc．
IIURON．

## （To ke corisinucd．）

## FACTORING．

Tosute Editor of the Enccational Wratizy．
Str．－The factoring of symmetrico＇expressions of the $\mathbf{j t h}^{\text {th }}$ ，fh and jth derice I finn to le some－ what interesting．The＂liand trook＂of Algeltra shows very nicely how to find a factor of two dimensions；but I bave not seen any method of finding factors of higher dimensions．The follorr． ing method I have found ro work well ：

Fiequired the factors of $n^{3}(b-c)+b^{2}(c-\pi) \div c^{3}$ （ $a-b$ ）．Hese $a-l$ is foend to bezactor，anci consequently $b-c$ and $e-a$ ．The reraaning iac－ tor is of three dimensions and must be of the form $m\left(a^{3}+b^{3} \div c^{2}\right)+7\left(a^{2} b-j^{2} \cdot b^{2} c+c^{2} a\right) \div 3 b^{2} a+c^{3} b \div$ $\left.a^{3} c\right) \div$ saic wisen m，$n, b$ and $x$ arc independeat of $a, b$ and $c$ ；consequenilly $a^{2}(b-c) \div b^{2}(c-a) \div c^{3}$ $(a-b)=(a-b)(b-c)(c-a)\left\{m\left\{a^{2}+b^{2}+c^{2}\right) \cdot r\right.$ $2\left(a^{2} b+b^{2} c \div c^{2} a\right) \div=\left\{b^{2} a+c^{7} b \div a^{7} c\right) \div x \beta^{2} c$ ！ Niow since the ralecs of $3 n_{1}, l$ and $a d o \mathrm{not}$ depead oa the ralues of $a, 3$ and 6, we ray let
 $\left.+h^{2}\right) \div n a^{2}<\div 16^{2} a^{2}$
$\therefore a^{2} \div n^{2} \div a^{2} l \div b^{2} a=-2 n^{2} \div\left(n^{2}\right)-n n^{2} b-$ isb，now equatc cocnicients．
$\therefore \pi=-1 ; n=-1$ and $1 \approx=-1$ ．
To find $=$
$a^{2}(b-c)+i^{2}(c-a)+c^{2}(n-b)=$
$-(a-b j b-c)(c-a)\} a^{3}+h^{2} \div a^{2}+n^{2} b+6=c \div$ $c^{3} a+b^{2} a+c^{3} b \div a^{2} c-2 n^{2}=$ ？

Let $a=x_{3} l=2, c=3$ ，
and we get $x=-1$ ．
 $\left.-\left\{a^{3}+1^{3}+2 \cdot c^{3}+a l(c)+1\right)+\ln (1) \div c\right)+c a(c+a)$ ＋abc）$\}.$
The following may lic solved in a similar way： $a^{2}(b-c)^{3}+b^{2}(c-a)^{3}+c^{2}(a-b)^{3}: a^{3} b^{3}(a-b) \div h^{2}$
 $c-a)^{2}$ ．

I＇efferlaw．Wim．W．Ikfland．

## FIRST YIAR AN ARITHMETMC． Alsys．

I．To teach all the facts in colery number from one to ten inclusize．

This means to teach a number，for example $\rightarrow$ as a whoie ；the equal numbers in it， $4 \div=$ $=2$（division）；the equal numbers that make it， $2 \times 2=4$（maltiplication）；the equal parts ofit， $2 / 2$ of $q=2$（partition）；any two equal or unequal numbers that may be found in it $4-\Omega=2$ ，or $4-1=3$（subiraction）；and any two equal or unequal numbers that form it $2 \div 2=4$ ，or $3 \div 1=4$（addition）．

13．To tcach tie figures that repircsent lise rumbers taught．

Pupils should not enly be able to tell the niae digis and the cipher，but should，also， be catcfully taught to write them upon their slates．The order of difficulty in writing figures has been found to be as follows： 1,4, $7,0,9,6,5,3,2, S$ ．After the Arabic figures have been learned，the lioman numerals to ten may be taughi．

1fI．To tcacis the use of the sigrs,,$+- x$ ， $\div$ ㄷasd $=$

At first，+ can be called and；－less；$\times$ 12ken；$\div$ ，contains，or in；and $=$ is，or are， according to the sense For example，let the oral expression for $3+t=4$ be，three and one are four ；for $3-2=1$ ，three less two is ore ；for $3 x==6$ ，threc iaken twice is six， or，three twos aresix ；for $\ddagger \div ニ ニ ュ$ ，four con－ tains，or holds，two twicc，or two in four irice ；and for $: \underline{2}$ of $q==$ ，one－inalf of four is ixo．

1V．To teach finpits so arrange scork art


Too much pains cannot be taken in irain－ ing pupils to write the fogures and sinns taught apon theit sla：es．Theteachershould neves reccive any work shat is carclessiy： done．Special lessons in making figures and signc，and in arranging work on the slate， should be given．

## STFiS．

1．Giving the number in a group of objects without counting，as how man； 11 I do you see？
－．Adding groups at sight withcut count－ ing，as，how many arc II and I11？

3－Separating a grciep into two groups， and subiracting each from it，as II 1 into II and 1；I I I less ！is I 1 ，and II I less 11 is 1.

4．Multiplying groups of objects，as two I I II are 1111．

5．Dividing groups of objects，as 1II！ centai：：II twice．

6．Separating agroup into equal parts，as one－third of II I is I．

7．Teaching the figures and signs．

## sirillods．

1．Develop the nperations by means of objects．

2．Have what has been done expressed with marks and figures．
3．Go through the same operations with absisact numbers．

4．Fix the operations by giving many prac． tical problems．

5．Form tables illustrating the operations taught ；for example，the table for four would
be: $3 \div 1 ; 1 \div 3 ; 4-1 ; 4-3 ; 2+2 ; 4-2$;
$4 \times 1 ; 1 \times 4 ; 4 \div 1 ;$ 只 of 4 ; $2 \times 2 ; 2 \times 4$;
$4 \div 2 ;{ }^{2}$ of $4 ; 3 \times 4 ; 4 \div 4$; $1 / 3$ of 4 .
DIRECTIONS.

1．Uise objects the childrea can handle．
2．Have a great variety of objects on the table．

3．The teacher and pupils should work to－ gether．

4．Encourage the class to make original examples．
5．Allow beginners to use their own lan－ guage．

6．Always keep the pupils up to their best efiurts．

## CaUtions．

x．Lead the children from the concrete to the abstract．

2．1upils lcarn bysecing，doing and talking－
3．lie carcful to teach numbers，not simply jigures．
4．Hare the pupils discover every new fact for themselves．

3．The pupils should do most or the talking．
G．Siaster each number before passing 20 the next．－Southacestcri Fournal of Edu－ castint：

Is London，England，and Bremen，Prussia， the lonnes：day has sixieen and a half hours．In Stockholm，in Sreden，the lorg－ est day has cighteen and a ha！f hours．In Ilamburg，in Germany；and Danizig in l＇russia，ihe longest day has seventeen hours． In St．Peicrsburg，Kussiz，and Tobolsk，in Siberia，it：e longest day has nineteen hours， and the shortest five In Torneo，in Finland， the longest day bas twenty－one hours and a half，and the shortest two fours and a half． In WVardiuss in Norway；the day lasis from the $=15\left\{\right.$ of May to the $\sum 2 n d$ of Julyz without interruplion；and at Spitzbergen ihe longest day is shree and a balf months．In New York the longess day；June 19 th，has fourteen hours and fift－six minutes； 21 Monircal， fifteen and 2 half hours－Scriool Sujple－ mictef．

## Methods and Illustrations

## ALMS ANDMETHODS IN TEACH ING ENGLISI LITERATURE.

FOR clearness and definiteness 1 present this work under the two heads above; viz., dims and Methods. diuns antecede and in a degree determine Mcthods,-hence, in logical order, we consider

## J.-Asms.

1. Negatizerly.-In a true system of teaching literature, it must not be the aim to teach mercly the biographics of authors. This has its place, bus a subordinate one ; and it is not English literature, only biography: It is needed to give a setting to literature as geography is needed in the study of history ; but geography is not history, and biography is not literature in the sense used in this paper.
2. Nor is it ennugh to read fine eulogies on authors or their works. These are a:trace tive and instructive, but they are no: English literature in the sense before us. Study about literature is one thing, and the study of literature quite another.
3. Nor is it enough to study 2 few short exiracts from a few leading authors. These represent the siyle and thought oi an author much as the pendant represented the style of his house by showing a single brick. The aim, therefore, is not biography only; nor culogies only, nor zid-bizs of poetry; the mere swectmeats of literature, but masfery, -mastery of the thought and style of a few of the masters in English literature. (13y mastery of a style, I mean the ability 10 use is in writing ; $c$. $x^{r}-$ to write in it with 2 reasonabie degrec of case, when the occasion demands, and she writer wills it.) This, then, is the aim, as $\bar{i}$ understand it, in teaching and stur ${ }^{\text {ing }}$ English Literature in colleges, normal, and high schoo!s. The broader and remoter aim is ". improve the style of those taugh, and the gh them in a limited bit positive degrec, our lavguage and its litera. iuse. This brings us to the other brancin of our sheme.
11.-ม1ETHODS
4. The first step in this work should be the study of a good icxt, giving aushentic biographies of zuthors with choice selections and 2 few gem quotalions from writings of same. The qquotations should be committed to memory and she selections studied in connection with the biographies. This study should inclade both maiter and siyle,-style being chicf. The latier should include various elements; as words, long, short, famit. iar, inglo Saxon, or loatin derivatives.
=. Seniencer, long, short, balanced, juris. dic, loose, direct or inverted, simple or is.volved, and the like.
5. Styie in fencral; as figurative or
plain, smooth or rough, condensed or diffuse, clear or obscure, elegant or crude, strong or weak, and the like. All this must be brief, rapid, and attractive, so as to sharpen the critical sense and awaken a desire for larger and more thorough attainments. The number of authors to which this analysis can be applied must be small.

If but one term,-e. g., one-third of year, --be given to this work, I recommend that not exceeding one hundred or one hundred and twenty-five authors be studied, and the other five, six, or seven hundred presented in some texts be relegated to the referc ice libraty to be hunted up when occasion demands. This excessive fullness now beginning to crowd this department is tending to a mere stuffing of the memory rather than to the development of either literary taste or critical ability.

Second Slep, or second general division of the wark.-Atter one term in the alove work comes the study of literature proper, called in some institutions "English classics," This term, as I understand it, means the writings of the masters, and bolds the same relation to English literature that the ancient-classics hold to Greck and Latin literatures. The authors chosen in English vary in diflierent schools and colleges as they do in Greck and Latic. Pcrhaps no five ous of ten institutions in the land exactly agree as to authors and amounts studied in ancient classics; so is English; while some take Chaucer and Spencer, I would ialie Addison and Junius, or Macaulay and Emerson. Almost ail take Shakespearc and Milton. These laller are studied more for matter than for sigle; Shakespeare for brilliance and human nature; and Mifon, in " Paradise Lost," for sheology and sublimity.

For method in this second division of the wosk I submit the following:
First StEr-- (c) Read and examine the ou:lines of a piece; (b) each member of the class point out $2 t$ least one excellence in cither matier or siyle; (c) in next lesson, two or threc, and thus on, as time and ability of pupils will allow. 1f the excellence be in matier, iet it be stated whether in cleamess, brevity, force, wit, humour, imagination, passion, or what? If in style, let it be stated whether it is in the words, or in their arrangement, or boih. If in the word, is it in the letter or in the idea? The seacher must show ti:2l some words bave a literal or intrinsic beavty irrespectice of the ides,-2s Hiawatha, Minnchalı, Patagonia, Nova Tembla, Alhambra, and the like. Here we siudy the sounds of the leirers separately; and in combination, and decide some of them pleasing and sume of them otherwise, and for reasons. He should show that certain other words have.z functional or associate beauty because always expressive of idear, delicate. parc, or exalice, -as fainy, serapisic, angelic, celestial,
and the like. Further, is the word long, short, generic, specific, technic, and the like?

Sentencos.-. The treatment of the sertence is much as that given under biography, only more extended.

Cenerst.-ls the style concise or diffuse, clear or obscure, strong or weak, abrupt or smooth, and wherein? Is it plain or figurative? If Ggurative, what class of figures, simile, metaphor, personification, or what; and for what,-i.e., for clearness. beauty; or force? Is the author didactic, argumentative humuorous, witty; grand, sublime? If sublime, point out some of the elements, whether in poser, velocity, loudness, daskness, and the like.

Caufior.-The teacher should not accept the cheap platitudes, fine, beautijul, admirable, grard, and the life. These are long, showy passages, !eading nowhere.

SECOND STEP. -Take iwo or three or five pages, according to strength and time of class, and apply two or three of these criteria; next lesson, another set ; next, another; and thus on until all are applied.

Third STEI. - At times, class should point out (1) all superfluous words; ( 2 ) any word for which a belter can $t=$ substituted; ( 3 ) any construction affecting either elegance or force; (4) any imperfection in thought which they can improve.

EOURTH STER.-It will be well for the teacher, or the teacher and pupil jointly, to make an analysis of the siyle of each wuthor studied. This analysis should contain at least the following: (i) Words; (2) seniences; (3) general. Example in Addison as follows:

1. IFTorais.-Whoice often elegans; full average lengih ; many open vowels, hence smooth; above the arerage of Latin deriva. tives.
2. Senfence.-Full average length ; direct,
 figurative; simple,-i.e., non-insolvent; often shythmic, hence musical, hence pleasiog.
3. Geratral-Usualiy not condise, cren at times difiuse; $j$. $c$, ofien ten words where one would do,-ofien a relative clause when 2 pariciple could take its place, Seidom bold, strong, or impassioned, and scarcely ever grand. No staicliness as in Johnson; no sabic-ihrosis, as in Junius i. no fasines of brilliance, as in Shatespeare; no flighis of sublimity, as in Milion.

Eiftit Ster-After this analysis, have the class write portions of the story, chapter, or piece in their own words, but so nearly as may be in the sigic of the zuthor. This exercise should be continued through several lessons, or until the pupil catches the author's siyle and spirit.

Sixini Stein-_Afict all the preceding is well done, bave the pupil write original productions in the style of the author, or as
nearly in his style as usible．This is the crowning step of the whole，－the brightest， tonmost flower in this field of work．This is the ulimate end set forth under the head of sims．It is the crown and reward of the student＇s efforts in this department of litera－ ture．＇Tis the mastery of the style of one of the masters．The student is now able to write in this style，and so does when occasion de－ mands and he so wills．This author mastered， we take another and another，till three or Sour or more are mastered，－one presenting the casy elegance of Addison；one the didactic simplicity of luacon；one the epi－ grammatic terseness of Emerson；another the condensed forcefulness of funius．

Caution．－It is not intended that the stu－ dedt shall write in all of these styles on all occasions，nor even some of them on all oc－ casions．No；his individuality is to be preserved．When in an Addisonian mond， with an Addisonian theme，he is Addison； aud when in a Junian mood，with 2 Junian theme，he is Junius；and thus on．But his prevailing mood is his own，and then he is cssentially himself in his truest and tullest individuality．So his prevailing style is self， while his ricner sifle is self plus others when needed． 13 ．however，it be objected that this training in other styles will impair irdividuality，we anstrer＂No．＂liut if the objection be urged，we answer that it preses 100 much．On the same ground，tine study of Latin，Greek，Fiench or German，one or all．instead of developing the studens＇s lingual abilisy，impairs his indisidualily，and so harms his use of English．We ate of the opinion that no one will contend for this； sureiy no linguist will．

In conclusion， 1 desire to sizie（wi）otter gropasitions，which 1 bope will commend themselies to the approval of the reader．

1．il mastery of cither the Eaglish lan－ guage or jis lisera：ure does nor come by ab－ sorption nor by intuision，but as other branches of learning，－by study，systematic and proiracted．
－A mastery of Latin and Greck does not of necessity give 2 mastery of English．

3．The lack of extended iraining in batin and Greek does not of necessily prevent still and power in the use of Eaglish．

7．As a rule；we masier any given science or art by siudying that science or $2 \pi$ ， tather than by studying anntier．（r）When when we want 10 master botant，we do no： siedy acology cr astronomy．（b）In conform－ ity 10 this law，the Grecks，wher they wanted to master Greck，stcdied Greck，2：sd not Sancsit or lictrex．in rizw of this law and this exampic，what is to be inferred con－ ecrning the study of English？

5．Th．e English language is the vehicle of the ablest diplomacy in she corld ；is she in－ simment of the largest commerce in tie
world ；is the depository of the richest liter－ ature in the world；is the happy medium of the largest dissemination of the Gospel ；and is spoken by a larger number of people than any other language of earth．Added so this， a voice of prophecy，－not loud，but clear，－ is heard saying，＂This is yet to be the lan． guage of all civilized men．＂

In the light of the above and kindred facts， the question appropriately comes，－Should not the English language and its literature have a larger place in our courses of study than they are at present，even if other lan－ guages and literature shall be compelled ：o luave less？－Joseral of Education．

## A VALUABLE LESSON．

A GOOD story is told of the late Professor Morren，which carries with it a valuable lesson in school management．He had 2 high－strung Beacon Hill damsel as one of his pupils，who made herself particulasly obnox－ ious by her haughty and even insolent bear－ ing，displaying her contempt for all abous her so markedly that it became at last nubearable．
＂1 knew her mother is France，＂said the professor，whose broken English there is no need of proourciag here，＂and she was a most exquisitely madest and unassuming woman．But the daughter was so insolent tliat she had to have a lesson；so I said to her：＂Will you be so good as to jemain after the lesson？I hare something to tell you．＂She stay3，and in her haughtiest manner she says：＂You wish to speak to me？${ }^{-}$
＂،Yes You are Miss So－2nä－so？＂
＂．liex．
＂4 Anu you live at No．Mearon St．こ＂
＂• les．＂
a And your falher is Mr．So－and－so 3＇
＂،＂${ }^{\prime \prime}$＂es．
＂＊And your mother is the lorely and sreet Mrs．So．2nd－so I hare met in France：＂
＂＂Wiell？＂
＂O Oh，＇I said，＇rea are sure there is no mistake？
＂＇Wo mistake！What do you mean？
＂＇I am excecedingly sorprised that you come of such a family and so well born．＂
＂＂Sis！＂
＂A1 2m much surprised．I have been sure sou came of new．rich family，some parvena－－
＂＊Sir！＂
＂＇Yon think，Nacemoiselie，＇I said，soft－ caing my manner，${ }^{\text {a }}$ that hacghtiness is aris－ rocrasic．Now yor will pardon an old man if 1 remind you that the courrary is true．I have known your mother so long that 1 care to be frant with yoo．Yinu have been vers insolent in the class．
＂4lasoleat，Monsicar？＂
＂＇Yes，Mademoiselle．You have mis－ taken this for a mark of aristocracy．So does the daughter of the Jew money－lender． You had much better cony your mother， your gentle，lady mother．＇
＂And I maic her my best bow and left her to think about it．And she was a gnod girl afterward ；a very good girl．＂

Concerning this story，the Hoston Currier well says：＂It is a pity this wise and shrewdly worded reproof could not sink into the heurts of many a young girl to－day who foolishiy fancies she is asserting the loftiness of her social position by an insolence which only proves that she is not sufficiently sure of her standing to cease to be troubled about ir．It zakes a good mary generations so set one socially so high that ane does not need to condescend to any human being．＂－nicu York Sihonl Yozrrnal．

## DONT：

Dosir snuba boy because he wears shabby clothes．When Edison，the inventor of the telephone，first entered iboston，he wore a pair of yeilow linen breeches in the depith of winzer．

Dor＇t srivb 2 boy because his home is plain and unpretending．Abraham Lincoln＇s early home was a log cabin．

Doa＇t snab a boy because of the ignorance of his parents．Shakespeare，the world＇s poct，was the son of 2 man wĭto was unable to write his own name．

Don＇t snub 2 boy tiscause he chooses an aumble trade．The aurhor of tise lilgrim＇s l＇rogress was 2 linker．

Don＇t snab a boy because of physical de－ formity：Militon was blind．

Don＇s snub a boy because of dullness in jis lessoms．Howark，the ceiebraied painier and ergraver，was 2 stupid boy at his books．

Don＇t snub a boy because he stelicis． Demostheres，she greater orator of Gieece， nveriame a harsi and stammering longue． －EX

Evekr ：eacher in the land，who is doing thorough work in ang line，no maticr how simple，who it crery recitation is 20 be satis－ fied only with the sroth，as far as tine child can know it，and nothing bat the iruth，is the mos：iremendous tcacher of pure honests that itie child can hare，－and her silent，per－ sisient demand．day by day and hour by hoar，on the child anj ca herselif for real iliorosigh woik，is worth to the faiure man or woman more in inculcating $z$ reverence for ithe ircih shan all the scrmons he conld hear preached on ide subject ji he sal and lisicned from Janaxiy to December．－Nitay Erashamal ／ожгスロal of Exiaraticr．

## Correspondence.

## WOMENS EDUCATION AND WO. MENS HEALTH.

To She Editor of ste Eivecatiomal Wezvly.
Sif,-As you reprint without comment the remaths of 1 \%. Withers. Moure on this suliject, permit me to take exeception wsome of his prosi tions.
Dr. Withers-Moore assumes that the demand of women fo: a higler edueation of the kind formenly confined to men implies competition between men and women in all spheres, incleding the military one. That I am no: misstating his opmion is plain from his express aseertion that " ${ }^{\text {this higher educa }}$ tiun will hinder those who would have been the best mothers from being mothers at all, or, if it does not hinder them mure or less, it will spoil them," and from his implied assertion that the "proper function " of women is the bearing and rearing of children. There is no necessary con nenion letween the demand of some women for hisher citucation and the demand of some women to le allowed to practiec medicine or law, to vote at political elections, to serze on juries, or even to command armies. The desiec of 2 woman for in tellecteal culture may be quite legitimate and eren lavalabe, if all these oither demands are fooind to lre the reverse. The craving for knowledge is nateral ; it is rot limited by sex, and it ought to le gratificd, if the gratification cannot le shown to be decrimental to the fihysical, intelicetalal or snosal natcre of the indiridual, without zegard to sex.
Assamian that the groper fancion of wuman is maternity, how does Dr. Wilhers.Moote know that figher education iends to unfit women for the discharge of ihis function? Nu roac can dongratize a frisri on sach a serbject. The appenl ranst lic to experience, and fortanaicly there is now experience of the moss pracical and rarid kind to appeal iv. thoseh Dr. Withers-Woore seems not to know of its exisic:sec. In the Uinited States women have leen adimitual in large namicrs, and for man years, to cuilezes of a digh clase Some tiane ano the Massachosests Siatimical Deqastment made cxhazsive impairies for the fruspoce of ascertaining the criect of colleri:ie wark on the worsen them selres, and oa their oumpriag. The statisites col-
 inicroience of the mos: cxpers siatis: on this concisco:, and ithe sexilt was mo:e salisfactury shan serfrising in inase whon felk contident from their
 prose the beelih of wower rather than nitstwise. Culicnc irainal women make oa ithe arcranc more healihy wirce 2 and moihers than women who have hal a diferctis :raining.
Cerions io sar, the zeitoritics and facis citcil h, Dr. Wiähers-Mfoove in sxphrort of his cun:carion,
 for ins:ascc. If a man's faic driconds minte on hiss momiber's characier ithan on his faiber's
 saiming shomld ice litcral! She shyall have

 xical cariznameat. She shoald have cnoenta of literasy calicse to be abie to geide their literary
training, and 10 know whether their professional teachers are worthy of the trust reposed in them She should have enough of philosophical capacity to be able to give her children a glimpse of their own marvellous mental and spiritual.organizatione. If she has these qualifications for maternity she las the " higher education " to which Dr. WithersMoorc objects. Would Bacon, and Buflon, and Cuvier, and Goethe have been less great than they were had their mothers been educated mure highly inan they were?. What would have made them so?

Uat all thes discussion kecps the fuestion on far $t 00$ narrow a ground. The "proper function" of woman is not maternity, bit the discharge of whatever duty she may find imposed on her by l'rjvideace. llany women never marry; arethey all superfluous? Many martied women become widows, and if they happen tole childless ase the: also superiluoas? Woman, 25 woman, owes dutics to herself, to her selatives, to society, apart altogether from the marriage relationship. duties which she neglects at her peril whether she is married or not, daties which she can discharge more effectively the more liberally she is educated.

Dr. Withers-Moore's ideal of woman is that of the " clinging tine," and he feels restive and angry leceause wimen show a growing desite for an education that will make them less dependent. l'citaps it would be more cotrect to saj that his ideal is that of Tennyson's " fal-faced carate ${ }^{*}$ in "Edxin Murris":

- I take it, God made the woman for the man,

And firt the goon and increase of the world.
A pretty face is well, and this is well
To hare a dame indoors that sims us up
And keepri us tight ; brat these unteal ways
Secen lrat the themes of writers, and indeed
Worn threadbare. Nian is made of solid stuff.
I s23; God macie the woman for the man,
And fur the grad and inctease of the woild."
One of the leest lea:ures, 30 my thinking, of the sxial iendencies of the present day is the progiess that bas been made, is making. and is likely to tre made toward the rcalization of a totally difierent ideal. It waild be betrer for Dr. Withers-Nore to aecept the sitestion and derote himself to im. prexsing 0 momea the necescity of carefolly guard ing their health whateres sheir calling in life may inc.

Wy. ilouston.
Oituier itis, 3556

## Educational Intelligence.

## AL.MA COLLEGE.

AT itc last mecing of the board of manazement of this coilfre, the chicf matter cossideted was the propused new lealding. The lroard expreser great catixfacitua with Air. Helfoms's last ghans and consinterell is dicsirable fo creet she sete baildians aftet theve plans, aithoseth shey wueld accersitaic z larger oailay than at firso coaicmpiatch. lict it
 ing 10 dimiaish the cost 0.2 thern. The follumint renitaitoan unaimanasls aulopted will explain the sitcalion felh; A riforome ctioti will be made so secerce the addii:ivalal \$5,000 at an cealy datc, itha: the nex lailding may le procected with in carly sprisis. It w2s mored by Ker. J. C. Sandcsson,

agement has authorized and directed an extension of the college buildings, setting a limit of $\$ 1+, 000$ to cover the entirety of building, heating and furnishing, and requiring at least $\$ 5,000$ to le raised on good subserigtions for the lruilding fund, and Whereas, on careful examination the load fints that acceptable plans cannot be sealized on the limit of $\$_{1,4,000}{ }^{\text {rreviously }}$ set, while on the other hand the amount of the suitscription reyuired has lreen raised, and thete is seasonable expectation and carried, That inasmuch as the board of manthat the improved plans will call forth larger subscription, therely not incteasing the oluligation of the loard much, if, any, zlove the orijinal intent, therefure zesolved on recunsideration of the action cf the board hitherto azien, that the aloove limit of $\$ 14,000$ le eniarged to $\$=0,000$, and the former requirement of sulscription be increased so $\$ \mathbf{\$ , 0 0 0}$; that the building commitec be authorized to make arrangements preparatory to building on the new plans in the spring of $1 S S j$, provicied the limit of $\$ 5,000$ be reached in subscription, the arrangements to be reponted to the broard as soon as the fimit of sulscrip:ion shall have leen scached.

## SCHOOL ATTENHANCE IN GERMANY AND FKANCE.

Wherevek I inquized, in Cermany and Switzerland, inspectors and teachers assured me that they had not to complain of the patents ; that the childrea were sent to schcol rexelasly: iby looking at the rexisects I was abic to assure mysell how fow of the alsences were enterct as conturacious. A contumacious alsence, 1 was told, was nerer fasiod orcr; and on one oceasion I was myself present when the school officer was despatched to fetch an offeader-2 қisl-and fetched ber. luat in general zhe chilitren hare the habit of coming 10 school as 2 matter of coarsc, and the fuateats have The halnit of amuiescing, as a matier of course, in their chiluren's going. This is the great matier. I was tuld that the magisizales, when casex come before them, were apt to be !enient ; and, indeedi, 2 iocil landowner and magisirate in a Silesian rillage, when I askell him, painting 102 passing
 mored and decized 10 you that he kept his loy from school ixecaise bee was too poor 10 do without his lalroar, what wnelh yor say?" answercd me jn
 very rillage she master of the school told me that not a casc fur sc: mmonion a chinithal asisca for the last ren years. Fiven more junpalile was she cridence of scgelar ailendance in she lisile Jarich schorlalscaly menioned ing mor. I asrived ihese wholly

 comaned forty-six presemi in school luefore me, and learacd shat the fwo alscoices nere kepld away treasec of the infeciomen ferer ia theis famity. In great ciaies sthere is lexs sexplarity of =licsdanec ithat in she comatry: the therlia manicipalits in

 the astcadance is a goon teal lesx renular ithan in Cermany ; in the cosnatry, I am sold, expecially. The esialuixheri talit? af school-going tas no: yul bad time to le formed ihere. liat the lave itsclf, is Francr, gircs a sizirisiag licesse for groindical
absences from school. At the age of eleven the child can leave school if he has obtained the certificate of being up to the mark in the work of a primary school; but, moreover. before that age, the law of 1882 allows managers to give three months' leave a year, besides the holidays, to a child living at home, and to permit a child emplojed away from home to come to school for half the day only. In Germany the school olligation is much more setious.-From Mfr. Mfarthetu Arnold's R'eport.

Miss Wilueks, of Vienna, has taken charge of S.S. No. S, South Dorchester.

Mr. Sistpsos has assumed the head mastership of the Markham Migh School.
Mr. Twolley, classical master at the Chatham lligh School, goes to Brock viile to take a similar situation at $\$ 1,00$ ) pler annum.
HoN. G. W. Ross, Minister of Education, wi:h Mayor Hae, visited Demill College, Oshawa, on Sept. zSth, when the Hon. Mr. Kossgave an excellent address to the students and faculty of the odiege.

Messks. Minler, Sanders \& Midgley, the special comnittee appointed try the St. Thomas School Eloard to arrange for the visit of the Minister of Edueation, decided to hold a problic meeting in the opera house.

Plans for the gymnasium for the St. Mary's Collegiate İnstitute have been prepared, and tenders are advertised for the erection of $a$ frame structure, $25 \times 50$ fect. The building is to be erected on a patt of the grounds to the east of the main building and will cost in the neightouthood of \$300.

Tue pupils of Mrs. Farar, in the gisls' central school. Winnipeg, presented their teacher with 2 very handsome butter cooler ; and the teashers of the central presented her with very richly bound copies of Ilood's poems and American poets. These sourenirs are given to Mrs. Farrat on the oceasion of her retiring from the school. The leares next week to join her husband in Florida, where he has been engaged in lusiness for a few months past.

Osisawa Hish Schoolheld "Graduating Exercises" on September 2 Sth, and despite the rain, the hall was crowded. Diplomas and certificates wete gresented to the successful candidates at the late examinations. The Ilon. G. W. Ross, Minister of Education, was present and delivered an adadess fally seaing forth the olject of the recent changes in the School law. Oshawa Collegiate Institute contemplates holding a similar entertain ment some fime next month.

AT an adjcarned mecting of Conrocation of the University of Manitoba, it was mored by lier. Falhet 10 remmond, seconded lys Mr. J. A. M. Aikins, that it may be considered adrisable that enlarged prowers le given to the council as to the mode of slection and as 20 an increased number of representatives of convocaion in said council, such powes to be used whenerer the council shall consider that 2 change is imperative; and that the registrar transmit such resulution to ihe council.
M. Jules Siason has contributed to the Recrue Hixustric aic Bretagne cf ベ-Arjici an accoant of his
schooldays at Vannes in 1830 , where he supported himself entirely out of the prizes he won and the tuition he was permitted to give to younger boys. He prides himself with having been head of tise school, with the titie of "Imperator," for three years in succession; but on entering the Ecole Normale, the first discovery he made was "que je ne sazais rien au monde, exceptí un geu de Lafin."

Tur report of the property committee of the Pcterborough Boasd of Education at the board's last mecting concluded as follows: "Your com. mittee have complied with the requirements of the Educational Department as near as possible and at a low cost, considering the numerous changes asked for ; we are pleased to learn that the Government grant, due in September, has been paid without any comment, from which we may infer that the Institute is now satisfactory:"

Before the Minister of Education began his inspection of the Tilsonlurg schools, Mr. Wilson, the clever principal of the public school, was greatly surprised by the entry to his room of his lately graduated class, headed by G. W. Hare, seeve of the town. But he was still more surprised whea the leader of the deputation called him to the front and, after a well-worded address had been read by Mr. Hare, he was presented with 2 handsome gold waich and chain and pendent. Sf. Thomas Times.

Mr. Bartun Earle, English Master in the Feterborough Collegiate Institute, having had the misfortunc to break his leg, the board has found it necessary to obtain 2 substitute for two menths. At its last meeting Dr. Tassie said that as $2 n$ exprerienced man was needed it would be best to write to Victoria University, which he thuught would supply one. Mr. Errett asked which posision was most easily filled-the modern languages and Einglish department, and on Dr. Tassie's referring that modern language master would be the most readily had, recommended that Mr. Long take Mr. Earle's place for the lime being. Mir. Dumble said that the English department was undouitedly the most important in the school. Mir. Easle was a man of fifieen years' experience in this department, and was of acknowledged alility. lle urged that no so-called economy be practised in getting a man to fill the position for the time being, as two months of bad reaching would upset the schosl for the whole term. It was 2 well-known fact, and one that could not be denied, that secres of men could be had to teach French, Germare or Russian, while there were but few who could icach our mother tongte efficicntl\}: Dr. Tassic said that English and mathematics were ccrtainly the most important departments in the institute. On motion, the commitie on appointments was given power to atrange for the filling of Mr. Earle's position zill he recorcrs.

We take the following from the Leeds and
 inspector fer this counif, arrived al his home hete on Sept. 1 sth, laving come by one of the Cunard sicamsrs to Elosion, from which he found his way to Yresco:t tia Pottland and the picturesque roate of the White Mountains. He spealis of his trip as 2 mere pic-nic excursion, which he enjojed amazingly, having found the ditiantic so smooth, both in going and returaing, that he had really no op.
portunity of enjoying the luxury of sea-sictiness. lie spent about a week in Scolland, visiting Cilas. gow, Perth and Edinburgh, and the remainder of his limited tiase chiefly in Lonion perambulating the courts of the Colonial and Indian Exhibition, hearing the great preachers and renewing his acquaintance after many years with Wrestminster Cathedral, the British Museum, Greenwich observatory and oljects of interest in or near the great world-metropolis. He visited also Windsor Castle and liton College, and spent some days in Birmingham and liverpool. Of the extent and magnificence of the London IExhibition he says it is impossible to give any idea to those who have not seen it with their oun ejes; but that Camada stond out conspicuously in a!l the departments, and especially in the Ontario Educational Court, which was under the superintentence of Dr. May as Commissioner of Education, and which far excelled all others. He adds that Dr. May was most kind and ollliging to Canadian visitors, and gave him much useful information, which lie hopes to be able to turn to good atcount in his future sisits to the schools."

Tue Paris correspondent of the Globe draws attention, in the following words, to the nature of the school and coliege prizes which are expected to satisly the aspirations of French sutients: "The alien who sees the French lad of about six strut about with a leaden cioss, suspended from a red or blue ribbon, on his breast, suspects that the child's vanity led him 10 hay, for a penny or so, an initation of the Legion of Ifonour at a toyshop. Not so. The thing has been duly awarded by the zuthorities of the elementary schools. If the lad were to dare sport the lauble without such authority, he would exprose himself to severe punishment indeed. Ilence his appetite for the distinction has been wheited; and, should it clude his grasp a few yeurs later on at the annual prize distribution of his college, his own grief will be very heartelt, though mute, while his parents disappointment uill vent itself in remarks the severse of complimentary: Sjaace fails :o ciescribe such a ceremony at lengith. It is thearical in the extreme. The successful pupil is conducted to the platform, where sit the university professors and the delegates of the Xlinister of Public Eiducation, if no: that dinnitary himself. The latatel wreath is set upon his young brow, 10 a military fanfare ; the dispenser of fame rakes him into his arms, and salutes him on both checks; the Swiss, zepplend. ent in gold lace, cocked hat, and sword, escorts him back to his sear, amid the thundering applause of the audience, and the next day his name figures in all the Paris, and in a gooxi many of the jrovincial papers. This very day she examinations for the B.A. diploma of the Sorkonne legin. There are no fewer than 3,700 candidates inscriticel for the honoar. From experience, 1 am safe in predicting that not 300 of them will tre placket. In anoth:r forsaight $1, S 00$ youngsierswill display on their cards the titic of ' Wachelier-es-Lettres." The affix will be sufficient to has their entrance to any commer. cial or incustrial carect, for in the merchant's and manafacturcr's ejes it is iantamount to a certificate of absolate imbecility, so fas as practical knowiedge gocs. Nierertheless, the affix will be main tained to the end of their days, for it is a distinetion, and that is crerything."

## Examination Papers.

## EDUCATION DEPARTMENT ONTARIO.

## GULY EXAMINATYONS, ISS6.

## First Class teaclerk-Grade C.

[The two following papers contained so many typographical errors that we re-prim them with examiner's cortections.]

## ENGI.ISII GRAMMAK. <br> Examiner-J. F. Whits.

Note.-So\% will form a full paper, but special importance will be attached to the answering of 1,6, 8,10 . The literary form of the answers will isc considered.

1. That day Sit Lancelut at the palace craved Audience of Guinevere, so gize at last The price of hall a realm, his cosily giff, Hyrdieton and hardly won with bruise and blow, With deaths of others, aud alnust his own,
The nine-years -fought-for dianonds ; for he saw One of her house, and sent him to the Queen Bearing his wish, :wherto the Queen aprecd With such and so unmoved a majesty
She might have seem'e her staitee, but that he Low drouping till he well nigh kiss dher feet For loyal dwe, saw with a sidelong cye The shadow of a piece of pointed lace, In the Quecn's shadow, zibrate on the walls, And parted, laugishg in his courtly heart.
All in an oriel on the summer side,
Tine-clad, of Arthur's palace fovera hie stream,
They met, and Lancelot knceling uther'd, 'Quecn,
Lady, my liese, in whom I have my joy,
Take, what 1 had not won exceph for you,
These jeweis, and make me happy, mal:ing them An armle: for the roundest arm on earth,
Or necklace for a neek to which the swan's
Is tawnier than her crgnel's.'
(a) Divide into propositions, showing their kind and relation, 1. 10 to end.
(b) State the reiation, and part of spreech of tite words in italics.
(c) Give clea:ly the relation and function of the following phrases:-At the palace'; 'almost his own'; 'in the Queen's shadow'; 'except for you'; 'on earth'; 'to which the swan's.'
(d) Show the diffeience between 'hasd-won, and 'hardly won,' 1.4 ; why 'deaths,' 1. 5 ? Wrise note on compound word. 1. 6 ; compare meanimgs of 'for' in 11.6 and 12 ; classify 'suminer side,' ' sidelong cye.'
2. Give the meaning and history of the remaining endings of the personal and demonstrative pronouns.
What is the difference as to number betwicen

$$
\left\{\begin{array}{c}
1 \\
\text { and } \\
\text { wec }
\end{array}\right\} \begin{aligned}
& \operatorname{man} \\
& \operatorname{men} ?
\end{aligned}
$$

3. State concisely your views on each of the following:-
(a) "The verb need not, and generally docs not agree with its nominative case (sulject) in person and number."
(b) "English may almost be said :o have no distinclive parts of speech."
(c) "Conjunctions do not necessarity connect the same moods and tenses of veris."
(d) "Once English had three genders, but as it now is, if we execpt one or two words, it has none;"
4. Account for the peculiarities of pronunciation or of orthography in these woids :-cupboard,
gossip, receive, debt, fromispyicec, island, could, who, clerk, pea, parliament.
5. Write lurief notes, with illustrations, on :-
(a) The conveniences of the passive construction.
(b) The unnecessary use of the feminine gender.
(c) The use or the onission of the atisele.
(d) The distinctions gained in using the subjunctive mood, and the "tendency" in regard to this form.
6. How is it that in English there are strong and weak preterites, and that in certain verbs the two forms exist? In this connection remark upion the following:-did, was, taught, hight, should, had, led, went, put.
7. State your views as to the desirability of a spelling reform in Einglish, and of the extent to which it should be carreed. Illustrate jour answer.
S. (4) Write brief notes on the strature of the following words:-direful, reliainc, preventative. talented, speciality, educationalist.
(b) Contrast the past and the present meanings of influence, payan, religion, tribulation, sactament, acre, caprice, treacle. Exphain how these changes were hrought akout.
8. Correct, with reasons, the following sen-tences:-
Whenever education is logieal in its methods, the smallest interference is like a store thrown into a machinc.
They here began to breathe a delicious kind of ether, and saw all the fiches aboat them covered with a kind of purple light, that mate them reflect with satisfaction on their past tuils.
The aciual deprivation of freedom is a sentimental luxury with which the negro ean easily dispense.

Hic always preferred to have his own views sustained by the failure of his opponents' arguntent than hy the success of his own.
After the delivery of this speech, which, being translaict by M. de Stael, was read with admiration not onily in lingland but on the continent.
The mooting of this question will form a fertite phan for miliary critics to exercise their hobbics on for many years to come.

## ENGILSII HETOMY.

Examiner-jas. F. White
No: more than sux puestions are to be answered.

1. Deseribe the policy pursued towads Scotland by Charies l., its oljects and iss resuits.
2. Through what causes was the intluence of paxiament developed in the reigns of James 1 . and his successnr?.
3. Descrile the condition of the country at the accession of James II.
4. What were the causes of the great hiterary activity of the Eiizabethan perionl? Give some account of the works of Speneet, llacon, Ben. jonson.
5. Show clearly the obijects and the results of the forcign policy of Chates If.
6. What was the condition of Ireland under the Stuart rule?
7. Give an account of the origin and putpese of the Territory lili, Act of Grace, lectition of Kight, Triennial bill, Solemin League and Covenant.
S. In the Act of Settement what limitations
were put to the Royal Prerogative? Show what need existed for such limitations.
8. "If Strafford embudied the spirit of tyranny, John 1'ym stands out for all time as the embodiment of law."-Gieen.
Fully explain this statement.

## LOARD OF EDUCATION,MANITOLA (Prolestant Section.)

## Examination of Teachers, fuly s8S6. HOOK-KEEPING-First Class.

## Examiner-D. McIntyri.

Time-ifo and a half hours. Wiswirec, June 2nd, 8886.
June 1. Commenced business with the following resources: Cash, $\$ 7.300$, Mises, $\$ 3.000$; lise me on notes, $\$ 3,000$; Wm. Hay owes me $\$ 3,000$; I own house and lot on Fort St. valued at $\$ 8.000$; 1 owe J. Jonas $\$ 1,4 \infty$, S. Sims, $\$ 1,100$, I owe on notes $\$ j 00$.
June 2 . The following transactions occurred: Bought of Taylor \& Co. 50 bbls. of sugar $\$ 1,000$. Accepted their draft at ten day: in favour of Keed \& Co.
June 3. Bought of Marnel \& Co. 400 sacks of flour, $\$ 900$; paid them their own note in my favour for $\$ 400$, on trhich, as it does not fall due for two months, I allow them discount for that time at $10 \%$; balance in cash.
June 4. Sold Thos. Edwards mdse. \$2,00, taking my note in favour of James Thompson for $\$ 200$; Edward's note at 30 days for $\$ 500$, and the balance in cash.
June 5. Bought of J. Walters mdse. worth $\$ 1,600$, giving in payment cash $\$ 200$, my note 2 30 days $\$ 3 \infty$, balance on account.
June j . Paid J. Jonas' order in favour of Henry Harding in mdse. \$730.

June S. Paid cash for repairing house on Fort Street, \$150.
June 9. Exchanged notes with Thos. Harrison for our mutual accommodation, each note drawn at 30 days for $\$ 600$, and discounted Harrison's no:e at Merchanis' Bank, receiving proceeds, \$505.60.
Junc ia. Received 3 months' rent house on Fort St. \$96.
lune 11. Wm. ilay having failed compounds with his crediturs at 65 cents on the dollar. I receive my share of the compromise in mdse.
junc in. Paid taxes on house and lot on Fort St., $\$ 25$.
Junc 14. Received of IIenry Matt, of St. Paul, 500 crates of peaches, invoiced at $\$ 450$ per crate. laid freight, \$100; customs, $\$ 200$.
Junc 15. Paid my aecepiance of Taylor \& Co.'s draft in favour of Lieed \& Co. at Merchants' Bank, \$1,00.
June 16. Sold J. Walters 100 sacks Acur, $\$ 265$; 15 bbls. sugar, \$315. Mdse. Ilart's consignment.

## Sold balance of IIare's consignment for \$1,050

 cash. Closed consignment. Rëndered acet. sales. Commission on sales 3 per cent. Sent draft on N.i. for acct. due Hast, paying $\$ 1.25$ for draft.
## June 17. Paia store expenses, SSo.

Mdse. on hand on 1Sth June, valued at $\$ 5,400$. Housc and fot on Fort St. valued at $\$ \$, 100$.
Journalize and post.
Find net worth on 17th June.

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No．1，Si．35：No．2．5i．4s；No．3．St．ess：No．4．Sr．6s：

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[^0]:    Ston hurer was founded in 1 , ancashire when the jesuits were enpelled from Liige.-Etu.

