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# The Canada School Journal. AND WEEKLY REVIEW. 

Vol. X.

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The Canada School Journal and Weekly Review.
Edited by J. E. WELLB, M.A.and a atall of compotent. Trorincisl editors.

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The probablities now seem to be in favour of the escape of Big Bear from his pursuers. Gen. Middleton has been headed off by animpassable morass and obliged to give over his line of pursuit. $\mathrm{j}_{2}$ Gen. Strange is wating in the vicinity of a cache ot provisiuns, huping the savages may be duubing in that drection but it is doubtful if Big, Bear is not too wily and his scouts too keen, to be caught in any such trap.

It is but natural that feelings of fierce resentment should be aroused in the breasts of our soldiers by the ghastly evidences of the tortures which the savages ha e in a few instances in flicted upon their victims. But it shouls not be forgotten that no degree of Indian savagery could justify or excuse barbarity on the part of civilized and christianized soldiery. It may be hoped that the stories we occasionally hear of an Indian clubbed with the rifle after being shot, and the thrcats of indiscriminate death and no quarter are the figments of excited reporters'
brains. To maltreat or slay the wounded, or refuse quarter to the captive, would be for our troops to put themselves on a level with their barbarian foe, and disgrace Canadian arms.
'The unexpected fall of the Gladstone ministry is an event o world-wide importance. The results it is impossible to predict, though, as the assumption of grave responsibility has often a wonderful effect in toning down the views of extremists and agitators, it may be hoped that no marked change of policy will result. The great difficulty with some of the fiery Jingo leaders, such as Lord Randolph Churchill, will be to find out a way of gracefully eating their own words. To assume office without performing that feat must mean, it would seem, smashing the Mahdi and Russia, at the very least. Perhaps there could be nothing better either for the nation or for Gladstone than that the opposition should have a chance to try their hand at the great problems presented by India, Egypt and Ireland, and the people a chance of comparing their modes of dealing with those problems with that of the retiring Cabinet.

The Report of the Ontario Bureau of Industries for May, is hased un infurmation fur.aished by 650 correspondents. Notwithstanding the fact that last winter the snow fell early and lay late, and the winter was one of the coldest on record, the promise of the fall wheat crop seems to be on the whole good. Winter rye, too, in the few localities in which it is grown, has come safcl) through. Clover is reported backward, but promising well. Fruit trees are generally in a healthy condition, and, as we are glad to learn from private sources, even the tenderer varieties such as the peach, which, it was feared had suffered from the severity of the 'winter, are now giving promise of a much better crop than was anticipated. Vegetation must be very rapid during the fine warm weather the country is now enjoying.

The ultimate effect of the employment of labour-saving ma chinery of all kinds is an interesting, and perhaps, to some extent, a still unsolved problem. We notice, for instance, in a rircu'ar frnm A Blue, Esq., Secretary of the Ontario Bureau of Industries, the statement that about 3,000 self-binders were sold last year to the farmers of Ontario, and that harvest wages were materially lowered in consequence. Each machine, it was claimed, dispensed with the service of four men at the time of year when the price of farm labour reaches its highest point. This year the manufacturers are preparing to supply 8,000 self-binders. On the same basis of reckoning, should these all be sold, the services of 32,000 farm labourers would be superseded in the harvest fields. But it would be no doubt fallacious to infer that the demand for labour suffers to that extent. When railways were first being introduced, great op. position arose ol the ground of the predicted injurious effects upon the value of horses and the industry of those who lived by coach and stage driving. The result has been, beyond
question, quite the opposite. The great increase of travel and traffic of all kinds under the stimulating influence of railways has greatly enlarged the demand for the services of this indispensable animal. The same result may be hoped for from every other useful invention. 'The farmers' labour-saving machines may work temperary disturbance and change of employment. But they not only create a demand for the various kinds of labour involved in their manufacture, but, by adding to the resources of the farmer, enable him to cultivate larger areas, and lead to larger expenditures in other directions, all of which, in their turn, mean demand for labour.

## The School.

An educational exchange says that when Texas disposes of her school funds she will have ninety-five millions of dollars invested for educational purposes. Pretty well for so young a state.

The first annual meeting of the Teacher's Guild of England was held in May; in London. The soctety has been incorporated and local branches are beng formed. The Teachers' Guild is not exactly a trades' union but some oi best objects of trades' unions will no drubt be kept in sight by it. The meeting was presided over by Mr. Mundella, M.P., by invitation. The formation of some such union or guld by Canadian teachers will no doubt be one of the advance steps of the near future. Such an organization, with the necessary local branches, might be made a power for good both to the profession and to the public.

Dr. Hodgins, Chairman, and Messrs. J. L. Hughes and Jas. Carlyle, General Secretaries of the Ryerson Memoral Fund, have published a list of contributors up to January, 1885. Their object in so doing is, as we are informed in a prefatory note, twofold, first, "to acknowledge with grateful pleasure the gratufying instances in which a liberal response has heen made to the appeals of the committee," and second, to give thoce who have made no response hitherto another opportunity to do so The total sum now invested, less contingent expensec, is $\$ 4,083.42$ and at least $\$ 2000$ more will be required to cmable the committee to erect a suitable memorial.

The Teachier rightly insists that a school room should be made attractive. The influence of surroundings is ton often lost sight of, or at least not sufficiently considered, in educa-1 tion. The school should be a home-like, happy place for the child. All its appointments, however simple and inexpensive; should bear the impress of a cultivated taste. We verily believe that it will be found much easier to preserve order and decorum in a neat and tasteful school room than in one which is untidy, rough and barn-like. It is an excellent plan oo enlist the tastes and sympathics of the children in the arrangement of the furniture and the disposal of maps, pictures, and ornaments of which no school room should be wholly destitute. Let the child's eye have something pleasing, pretty or sugges- I tive to rest upon, soncthing that appeals to the higher senti-1 ments, as often as its image falls upon the retina.

A new departure of a most - ommendable kind has recently been made in a public school in Gottingen. A spacious and comfortable bathing place has been arranged and fitted up for the children. Warm or cold baths may be had according to need, The children bathe in classes, under supervision. The time for bathing is during school hours, and so arranged that at le:st an hour shall be spent in the school before going out. It is said that the aversion which many parents showed at first to this innovation has disappeared, so that now only very few children clo not take the baths. Considered in its whole influcnce and tendency we know of few things that would have a happier effect upon large classes of children than the introduction of this cheap luxury. Most of those to whom the morning tub or sponge is amongst the neressaries of life would be surprised to learn how many know little or nothing of is invigorating power. To thousands of poor children in city and country, the bath, as a part of the regular school routine, would mean the formation of a habit which would make them healthier and better, in person, taste and morals, all through life.

The recent Convocation of the University of Toronto marks an epoch in the history of higher education in Ontario. For the first time the gentler sex were represented amongst those presenting themselves for cap and gown. On this occasion the "farr grrl graduates," carried off more than their fair share of honours and prizes. The eclat with which these clever pioneers have completed the course has probably given the coup de grice to any lingering opposition to the advance movement they represent. The last redoubt was carried by storm on Convocation day. But while congratulating most heartily both the successful ladies and those who have striven so long and strenuously for the simple justice of the admission of women to the lecture rooms of University College, we are far from thinking the problem of University education for women solved. We wart to see educated women going forth frum the University halls not by threes or fours, or by dozens, but by Thundreds. In the nature of the case thas cannot be huped for luntil beiter arrangements are made and bette: accommodation tprovided. The next great desideratum is one or more Girtons, or Newnham Halls, or Somervite Halist The proposed University Federation scheme will be very partal and one-sided, until provision is made for at least one well equipped ladies' College in the circle.
"A Parent," writing to the Mat, brings a very serious charge against the Oniario Mudel School. He says that in a recent examination in Drawing "the pupils were coached on questions on the examination paper only a few days before." "A larent" alleges further that the same dishonesty was practised last session in 're Normal School. It is to be devoutly hoped that this grave charge is a calumny. We teel sure that the Principal of either the Normal or the Model School, would scorn to permit any such practice, but it is due to themselves and to the patrons of the school that such a charge, appearing in a paper like the drail, should be promptly and unequivocally refuted. If any teacher in etther branch has not too keen a sense of honour to permit him to do anything of the kind, his
resignation could not be tos readily accepted. It would be indeed deplorable if children sent to these schools, with the expectation that they will be trained in a high sense of honour, should be "tutored in dishonest scheming." We feel sure that both Mr. Kirkland and Mr. Clark, on will make rigid inquisition and govern themselves accordingly.

Is the much vaunted modern system of free schools and compulsory education a failure? Such is the question some are now beginning to ask in view of the alarming growth of illiteracy in some of the great cities. The fact that New York, for instance, has not even school accommodation for many thousands of its school population is somewhat appalling. It is too, an undoubted fact that in the great citie; both of England and the United States, thousands of parents and children are constantly conspiring and engaging in a contest of wits with the truont officers, in order that the children may evade the regulations. The few cents that they can pick up in one way or other is the chief inducement. The great question is, however, not whether a good many parents do not manage to bring up their children in utter ignorance, but how the number of such illiterates compares with what it probably would be but for the free schools and compulsory laws. It is undoubtedly true that as human nature is constituted, most of us prize more hughly that which costs us something. But it is unhappily equally true that those whoconnive at defrauding their children of even the rudiments of school education, in order probably that they may get a few cents more to spend in gin or whiskey, are scarcely the parents who would be likely to indulge in the luxury of paying for their children's schooling. The solution of the problem will, let us hope, be found in a system of industrial schools, to the merits of which the public mind is fast awakening.

The Silhol Guardian (Eng.) sketches as follows the outline of the scatme for the training oi the schoulmaster of the fu ture, as submitted at the recent Cunference of the National Union of Elementary Teachers in England :-
"In the first place, the tuture schoulmaster is to enjoy 'an uninterrupted cuurse of instruction and studs in a Higher Grade School at the age of seventeen;' this is to be followed by 'a short term of two or three years' apprenticeship,' during which 'provision is to be made for the proper continuance of the pupi-teacher's studies, and for the acquirement of the practuce of teaching.' Our candidate will by this time have reached the age of nineteen or twent, , he is then to pass the entrance examinatoon, and he is atterwards to spend a jear in a Training College, where he will study the science of Education and the practice of teaching, and will, moreover, continue his own studtes and advance a stage, if not the whole way, to the attainment of a University degree. He will then at the age of twemty or twenty-one come out a well-equipped schoolmaster and a cultured gentleman."

The Guardian admits that the programme is very attractive, but thinks its advocates overlook one very important question, that of "ways and means," especially as they regard the Queen's scholarship by the help of which many of them have obtained the professional trainin., as a "doubtful good," and favour the gradual withdrawal of the Government subsidies.

The course of preparation proposed is certainly none too extensive ; in fact, no course can be, even for elementary teachers. Nor does there appear any good reason why those fitting themselves, or being fitted by their parents for teaching, should not bear the expenses of their own education as in any other profession. The teachers of the Union deserve praise for the high standard ot scholarship and character they would set before members of the profession.

## IS KNOWLEDGE POWER?

Not all knowledge, certainly. There are many persons whose minds are repositories of facts, which never, so far as any one can observe, add in any way to their power of eitherthinking or acting. Yho of us has not at some time or other spent precious hours, or it may be, days and weeks in acquiring knowledge which, so far as the minutest analysis can discern, has not been of the slightest use? Its acquisition compelled no independent thought, and so strengthened no faculty of mind, perhaps not even memory. Its possession has never helped us in any process of reasoning, or in any crisis of action. It lies away out of sight in some corner of the mind as useless lumber, representing only so much time and toil unremuneratively invested.
There is no more important question for the thoughtful teacher than that of the true relation between learning and education, between knowledge and power. The following sentence from Froude contains, it seems to us, the germ of a very valuable principle.
"The only real knowledge a man possesses is that hie can use ; all else hangs as dust about the brain, or vanishes as dew upon the drying stone."
Few probably will question the proposition thus laid down. It is well nigh axiomatic. No one cares for the possession of stores of knowledge which he can never use. No one will regard another as really the wiser, or in any sense the better, for the possession of such hoards. Some may indeed raise the previous question, "Is there, can there be really any such knowledge? Is it not of the very nature of all knowledge to be useful, in enlarging the mind, and affording food for thought, if in no other way?" There is some force in the query. Froude's statement like most o:her unlimited propositions, may imply more than is literally and absolutely true. But every one who will admit that there are qualities and degrees in knowledge, and that some kinds are vastly more useful or stimulating than others, must admit that the essence of the proposition is true.
The use we wish to make of it just now is to turn it about, and see is it may not be converted into a most useful principle in education. What we mean may perhaps be expressed by saying, "Real knowledge can be acquired only as it is used," or "The only way to get real knowledge is to use it." Thus expressed, the statement sounds somewhat paradoxical, but never. theless conveys a valuable truth. The practical rule to be deduced is, strive to have every pupil use the knowledge he is acquiring as fast as he gets it, and to use it in some way which will_compel him to make it really his own. If he has worked
his way to a mathematheid or sumentic haw, let hom apply it in a number and varicty of examples, the smpler and more prac tical the better, tull he has fully mastered it for all future tume If he has, on the other hand, stumbled on a number of dis. connected facts in history, let him not suppose anything gained until he has compared those facts thought over them, traced their relatiuns, and doduced sume daw which caplains, harmon izes or unifies them.

To eapress vur me.umtis nue amply, we should say that the child should be taught to regard no rule, no fact, as knowledge, untul he is able to demonstrute the one, and to set the other mi some relation to other known facts. He cannot be sure even that he knows a word until he has used it in a number of sen. tences illustrating its exact meaning, or shades of meaning. In doing this the pen is an invaluable auxilhary. The pupil who is constantly taught to state every new fact or principle, to define its limits, to illustrate its use or meaning, and to discuss, if possible, its relations, in his own written language, is undergoing the process which constitutes true education. He will not be long in learning to distinguish between useful and useless knowledge, between a sound and an idea, between what he really has learned, and what he only fancies be has learned, because he can repeat a string of the teacher's or author's words.

## Special articles,

TEACHER.
Your salary is not as good ar you like to have it. How can you make it better? Your place is not very secure. You may be removed at the close of your present term, or year, and another put in your place at less pay. Would you like to know how to make yourself necessary even at double the pay you now receive? I tell you. Be a tea.her. Are you one now 3 Do you know what the word means? Is one who hears lessons, assigns tasks, and drives unwilling pupils through irksone duties, a teacher ?
To be a teacher you must wake up thought; induce habits of investigation, and lead your scholars to draw conclusions for themselves. Thousauds can keep order, assign lessons, drive learners through all manner of routine and get parrot-like succers, but few can wake up self activities, and go before their scholans is leaders and guides while they work with willing heart, head aud haud. Be a teacher and you will be needed. Teachers are scarce and m great demand. If thoy don't appreciate you where you are. jou may bo cortain you can ensily find a phace whero they will. Be a teacher, don't be a mere plodder, moping along in the beaten path of the common school kecpers. Be a teacher, and you will be needed and paid, and then you will be happy !-Ex.

## NEWSPAPER IN SCHOOL.ROOM.

We notice in our educational exchanges, occasionally, articles advocating the use of the newspapers in the school-room as supplemental reading for the pupils. There are two sides to the question. It is very well for the young to learn early to take an interest in current events, and to lay the foundations for a broad intelligence. Good papers, like good books, should bs of the right kind, well written, adapted to the capacity of the reader, and, above all, of pure taste and healthful mortality. Many daily news. papers are not adapted for school use for the following reasons:

1st. The elituriale are beyond the understanding of the young student. 2nd. Thore is nu sound mental food in muoh of tho reading matter. 3rd. There is too often, much that is objectionable in them, much that might provo positively detrimental to the charactor and education of the young.
Too many nowapapers cater to a depraved tasto, and to the lowor instuncts of their readers. Glance the eyo uver the average nows paper of the day. There are graphic desciptiven of murder, thoft, burglary and the like. These aro worked up with great olaboration of detal, and wath an erident desire to excite the eme time of the reader. Whule culumns are devoted to the brutal prizo fight between the nuted champiuns of the ring, who pound, hammer and mutilate each other after the true artistic siyle. That is nut good reading for a school-boy.
Some blaspheming iatidel mixes his rhotoric and profanity for the gratification of his fullowors in an obscure ${ }_{3}$ theatre, and has sufficient influence to secure the publication of his foul words in a leading jnurnal, and forthwith it travels over tho country, doing all the harm it can, and scattering the seeds of its vicious teachings in all the highways and byways. We do not want schoolchildren brought within a thousand miles of such reading, no matter what may be the name of the newspaper which lends itself to such teachings.
We are not underrating the benefits which flow from a newspaper of the right kind-weighty in intelligence and pure in morals -but we do object to placing in the hands of our children anything which would be likely to corrupt their tastes or to lead them astray, and we have seen many an article in a liading daily nowspaper which was not fit reading for the school-room. We do not sit in judgnent upon the management of such papors. It is to them a matter of business, and so loug as they have readers who enjoy such articles they will probably be published.
It is anothor anda very different question when it is proposed to make use of the daily newspapers as a reading lesson for our school-children. Then, we are tree to say, put in the hands of the young people any book, or newspaper if you like, which will give them models of good style, and wholesome thought, but we sure that they read what is improving. - Louisiana Ed. Joumal.

## the seven laws of teaching.

 teacber.

These laws are not obscure and hard to reach. They are so simple and natural that they suggest themselves almost spontaneously to any who carefully nutes the facts. They lie imbedded in the simplest description that can be given of the seven elements numed, as in the following:

1. A teacher must be one who knows the lesson or the truth to be taught.
2. A learner is one who attesds with interest to the lesson given.
3. The language used as a medius between tencher and learner must be conson to both.
4. The lesson to be learned must be explicablo in the terms of truth already known by the learner,-the unnsows must be explained by the rnown.
j. Teachug is arousiso and csino the pupil's mind to form in it a desired conception or thought.
5. Learning is thinking into ono's own understanding a new idea or truth.
6. The test and proof of teaching done-the finishing and fasten-
 and nes.rroduciser of the knowledge taught.
These definitions and statements are co simple and obrious as to need no argument or prouf; but their furce as fundamental laws may be more clearly seen if stated as rules for teaching. Addressed to the teacher, they may read as follows:
7. Knuw thuroughly and famblarly tho lesson you wish to teach, or, at other words, teach from a fuil mand and a clear understanding.
8. G.an and heep the attention and inturest of the papils ajoun the lessun. Refuse to teach without attention.
9. Use words undurstud by buth teacher and pupil in the same senso-language clear and vivid alike to both.
10. Begin with what is already well known to tho pupil in the lesson or apon the subject, and proceed to the unknown by single, easy, and natural steps, letting the known explain the unknown.
j. Use the pupil's uwn mind, exciting his self-activities, and leading him to think out the truth fur himself. Keep his thoughts as much as possible ahead of your uxpression, making him a dis. coverer of truth.
11. Require the pupil to reproduce in thought the lesson he is learning-thinking it out ian its parts, proofs, connections, and applications till he can express it in his own languago.
12. Reviow, reviev, neview, reproducing correctly tho old, deepening its impression with new thought, correcting false viows, and completing the true.
These rules and the laws which they outline, underlie and govern all successful teaching. If taken in their bro.dest meaning, nothing neod be added to them, nothing can be safely taken away. No one who will thoroughly master and use thom noed fail as a teacher, provided he will also maintain the good order which is necessary to give them free and undisturbed action.
Like all the great laws of nature, these laws of teaching will seem at first simple fasts, so obvious as searcely to require such formal statement, so plain that no explamation can make clearer their meauing. But, like all fundamental truths, their simplicity is more apparant than real. Eich one varies in applications and effects with varying minds and persons, though remainung constant in itself; :and each stands related to other laws and facts, till it reaches the outerriost limits of the science of teaching. Indeed, in a careful study of these seven laws, to which we shall proceed in coming articles, the discussion will reach every valuable priaciple in education, and every practical rulo which can bo of uso in the teacher's work.
They cover all teaching of all subjects and in all grades, since they are the fundmental conditions on which idens may ba made to pass from one mind to another. They are as valid and useful for the college professor as for che master of a common school; for the teaching of a Bible truth as for instruction in arithnetic. In proportion as the truth to be communicated is high and difficult to be understood, or as the pupils to be instructed are young and ignorant, ought these rules to be carefully followod.
Doubtloss there are many successful teachers who nover heard of these laws, and who do not consciously follow them ; just as there are peoplo who walk safely without any knowledge of gravitation, and talk intelligibly without studying grammar. Like the musician who plays by ear, and without knowledge of notes, these naturil teachers, as they are called, have learned tho laws of teaching from practice, and obey thom from habit. It is none the less true that their succoss comes from oboying law, and not in spite of haws. They catcn by intuition the secret of succoss, and do by a sort of instinct what othors do by rule and reflection. A caroful study of $\mid$
their methuds wuald show how olosuly thoy follow these principles; and if thero is any oxception it is in tho cases in which thoir wonderful practical mastery of sume of theso rules-usually the first thres-allows them to give slighter heed to the others. To those who do not belong to this class of "natural teachors," the knowledgo of these laws is of vital necessity.
Lot nu uno fear that a study of the laws of teaching will tend to substitute a cold, meehanical sort of work for the warm-hearted, onthusinatic teaching so ofton admired and praised. True skill hindles and keops a'ive enthusiasm by giving it success where it would otherwise be discouraged by defeat. The true worker's love fur his work grows 'with his ability to do it well. Even enthusiasm will accomplish more when guided by intelligence and armed with skill, while they who lack the rare gift of an enthusiantic nature must work by zule and skill or fail altogether.

## THE SCHOOLMARM'S STORY.

## A frosty chill was in the airHow plainly I remember-

The bright, autumnal fires had paled, Save fere and there an ember; The sky looked hard, the hills were bare, And there were tokens everywhore That it had cone-November.

## Ilocked the time-worn school-house door.

 The village seat of learning, Across the smooth, well-trodden path My homeward footsteps turning ;My heart a troubled question bore,
And in my mind, as oft before, A vexing thought was burning.
"Why is it up hill all th3 way?" Thus ran my meditations;
The lessons had gone wrong that day, And I had lost iny patience.
"Is there no way to soften care, And make it easier to sear Life's sorrow's and vexations?"
Across my pathway, through the woods, A fallen tree was lying.
On this there sat two little girls, And one of then was crying.
$I$ heard hor sob: "And if I coxld,
I'd get my lessons awful good, But what's the use of trying?'
And as the little hooded head Sank on the other's shoulder,
The little weeper sought the arms That opened to enfold her. Against the young heart, kind and true, She nestled close, and neither knew That I was a beholder.
And then I heard-ah! ne'or was known Such judgment without malice.
Nor queenlier council ever heard In semate, house, or palace !-
"I should have failed the-c, I am sure.
Don't be discouraged; thy once more, And I will helpayou, Alice."
"And I will help you." This is how To soften care and grieving;
Life is made casier to bear. By helping and by giving.
Here was the answer I had sought,
And I, the teacher, being taught The secret of true living.
If "I will help you" were the rule.

How changed bayond all measure
Isfe would become! lich havy load
Would be a golden treasure ;
Pain and vexation be forgot ;
Hope would preval in overy lot, And life be only pleasure.
-Treasure Truce.

## Examination diacts.

## IADV ON TUE LAKE-CANTOV.



1. What is the general scansion of this poem! Give exan ples of changes for sale of emphasis. How does the writer relicve the monotony of this metro?
2. What part does sumerstition play in this poem? How far do you consider the writer as justified in its use ?
3. Nane the figures of speech most commonly used-with illus. tratious.
4. Explain the following words and phrases: shingles, HolyRoud, curlew, bomets, Bechastie, jack, bride of Heaven, drawbridge, tilter, Douglas, cast, louse banditti.
5. Jxplain force of change of pronwan when used by same speaker in" Thon warn'st me I have done amiss." "We do forbid the intended win: '-See. xxxii.
6. Contrast uses of "thou" me "Henr'st thou" he said "the loud acelaim." "Thou many-headed monster thang."-Sec. xax.
7. "We destined for a fairer freight."-Sec. xxii. Give the stury implied in this line.
8. Give in prose at short version of the "Battle-scene."

## DURHAM COUNTY PROMOTION EXAMINATIONS,

 APRIL, 2ND., 1885.GEOGRAPHY.

## second class to thind.

1. Define-(using complete sentences), Island, Bay, Cape, Moun:tam, Strait.
2. What is the shape of the earth? (2) What direction from 1 where you he is that part of the earth where it is alwoys cold! (3) What direction is that part where it is always hot?
3. In what drection from where you live are: (1) the Snuth Pole, (2) North Atlantic Ucean, (3) Souch America, (4) Lako Ontario, (5) Arctic Ocean.
4. -Name:-(1) the continents which are altogether north oi the equator; (2) those which extend further south than Emrope does; (3) the ocems wheh touch Asia:
5. Draw amap of the County of Durham and mdicate tho posstions of:-(1) the Cownshaps; (2) the Railroads; (3) Powt Hope, Bowmanville, Orono, Mthlbrook, Janetvile, Whllamsbug.

Name the prachal hads of frut grown in your Townslip; gave a short account of how they are culteated, and for what they are used.

Vilue 10 marks each. 'lime, 1 hour:

## ARITHMEIIC.

## skeono elas to third.

1. Define :-Nilumber, Addends, Notation, Minmend, Division,
2. Work correctly- $0804682+804869+4908+78040679+80087$ -89689-084071.
3. Work correctly-80c4082 $\times 8092$, and $208089 \div 189$.
4. A man bought 64 sheep at $\$ 8$ cach, and 4 liusses at $\$ 85$ each, he paid for them 8700 in cash, and the rest in wood at $\$ 10$ a cord. How many cords of wood did he give?
i. Dride $\$ 184$ between Willam and James, so as to grve William 814 more than James.
5. A farmer has 428 horses, sheep, and pigs; he has 321 horses and sheep, and 128 horses and pigs. How many horses has he?
Value 10 umris each. Full work requred. Time, $1 \frac{1}{2}$ hours.

## GEOGRAPHY.

wenon ruind to semion rumb.

1. Define-Sea, Delta, Peninsula, Lake, Panric.
2. Give the boundarien of Ontario; Nime the counties with their
comity towns that bordor on Lako Ontario or tho River St. Lawrence; What are the principal products of the farms in this county ? 3. Give the river aystems of North America, and mane tha principal rivers of tho Athantic system.
3. What and where are:-Toronto, San Francisco, Boston, Panama, Iucatan, Brazil, St. Ropuo, Rio Janeiro, Trinidad, Sydenhanl?
4. Why cannot we seo the sun at night? Why not the moon and stars during the day? How is it that the smin rises in the east, and sets in the west?
5. Draw an outlino map of Sunth America, and indicato the positions of its monntaius and four of its largest rivers ; nlso the position of llogota, Lima, Quito, and the Falkland Islands.

Value 10 each. Time 1 hour.

## ARITHMETIC.

## JUNLOR THHRD TO SENIOR THIMD.

1. Define-Subtraction, Numeration, Concrete Number, Composite Number, Factors.
2. Work the following correctly : $-\$ 802.56+\$ 8390.87+\$ 4869$. $78+570346.82+\$ 9.18-\$ 834 \overline{5} .65-\sin 8.16 ;(80786042 \overline{0}-8070548068)$ $+18720$.
3. John and Thomas has 248 marbles between them, and John has 8 more than 3 times as many as Thomas. How many has John?
 in $£ 74816 \mathrm{~s}$. ?
b. Find the cost of the steel rails in one mile of railroad, if one font of steel rail weighs 18 lbs , and is worth 4 cts. per 1 lb .
4. A farmer raised 203 bushels of grain, consisting of wheat, peas and oats. He sold the whole quantity for $\$ 128.00$. He had 152 busleels of wheat and peas, whech he sold for $\$ 113$. 60 , and 102 bushels of wheat and onts, which ho sold for $\$ 104.00$. Find the number of bubhels in each kind of grain and the price per bushel at which he sold each.

Value 10 each. Fall work required. Time $1 \frac{1}{2}$ hours.

## GRAMMAR.

## suston thme to sesion thmb.

1. Define:-Pronom, Verb, Aljective, Prepusition, Adverl.
2. Deline Subject and Predicate; wite a sentence requiring a punctuanom mak like ths ? after it, and phace brackets around tho suhject.
3. Write a sentence containing two Nouns, two Adverbs, two Adjectives, une Pronvun and Verb ; divide it into subject and predicate, and write uver the pronoun the num for which it stands.
4. State to what class ench word in the iollowing sentence belums :- That very large black horse which now stands there ran along the road yesterday and John cried, whoa!
5. Separate the fullowiug sentences into subject and predicate:(1) Johan came hate to school ; (2) Will you go with me? (3) Daily and hourly I have warned you; (4) On th: floos by the hat hes your tup; (i) A good boy never comes late to school.
6. Write a letter to your teacher, of not less than 8 lines, giving an account of your school work since you passed into the Juniov 3rd class.

Value 10 ench. Time 1! hours.
GEOGRAPHY.

## SENTOR THHLD TO FOURTIf,

1 Defino:-Strait, Meridian, Camal, Tropics, Valley.
2. What nad where situated are the following:-Duluth, Mersey, Boston, Vonice, Cupenhagen, Khime, Chili, Spartivento, Dovor, Saugeun.
3. Draw a map of tho Dominion of Camadn, showing the position of tho Provinces and thenr capitals, and trace on it any threo of the large rivers.
4. Through what countries do the following rivers tlow, and into what waters do they empty :-Danube, Rhine, Don, Douro, Ama. :on, Yukon, Nelson, Friver, Elurn, Rhone.
5. (1) Why is the day with us longer and the night shorter in summer than in winter? (2) In what parts of the earth are tho days and nights of equal length the yenr round. (3) In what months are the days about equal to the nights with us'" (4) Aro they equal in other parts of the world then also? Give reasons fur your answer in each case.
6. A number of persons started from Liverpool to go to Manitoba,
by way of Quobec, deseribe as fully as you can their trip under the following heads: (1) The line of stemers and tho a ailroads used. (2) The bodies of water and the countates crossed.
(3) The principal cities and towns on their ronte.

Vulue 10 each. 'Ime 1 hour.

## ARITHMETIC.

henion thind to foumin.

1. Defino:-Abstract Number, Measure, Reduction, Improper Fraction, Compound Fractiol.
2. In 8 miles, 17 rods, 2 feet, how many inches; and in 272821 grs., how many lbs. Troy.
3. To how many porsons may $£ 1478.12 \mathrm{~s}, 9_{4}^{3} \mathrm{~d}$, bo distributed, giving £19, is, 0 fid to each 7 Divide $£ 15$ among threo porsons, so that one may havo $\pm 3,14 \mathrm{~s}$, more than each of the other.
4. Find the total cost of -

4860 lbs of Wheat at $\$ 1.12 \frac{1}{2}$ per bushel.
26000 lbs of May at S14 per ton.
7800 lbs of Pork at $\$ 12$ per barrel.
240 lbs of Peas at $87 \frac{1}{2}$ cts per bushel
6. A person lost $f$ of his money and then spent $\$ \overline{0} 0$ more than $?$ of the remainder, he then had $\$ 113$ left. How much had he at tirst.
6. A drover bought a number of cattlo for $\$ 4879$, and sold a cortain number of them for $\$ 4008$, at $\$ 72$ a head, ganngy on those sold $\$ 1024$; how many did he buy at first, and how much did he gain on each animal?

Value 10 each. Ifull work required. Tine $1 \frac{1}{2}$ hours.

## grammar.

semior thend to foumti.
Define:-Relative Pronom, Transitive Verb, Predicate Adjective, Simple Sentence, Syuthesis, Adjective Phrase.
2. Change the following italicised words into phrases convoying the same meaning, and state which kind of phrase you use in each case:-(1) He stood up immediately and parsed correctly the ital. icised words; (2) John's picture was daily admired by the French stranger.
3. Name the class and sub-division of each italicised word in the following sentences:-(1) The man who uerofe that letter is here; (2) John's house uris burnt to the ground yesterday tuto hours bef. we ue left.
4. Correct, giving reasons where you san:-(1) Them boys is lazy; (2) John done that quick; (3) Come with Thomas and I to seo where the pond is froze ; (4) Tho master, and not the boys are to blame anost.
$\overline{0}$. Write sentences containing examples of :-(1) Noun in apposition; (2) A noun in the possessive; (3) A nom in the nominative absulute; ( 4 ) An adjective phase; ( $\overline{0}$ ) Au adverbial phrase. Enclose the examples in brackets.
6. Write a letter, to a friend in 'Coronto, of not less than ten lines, givipg an account of your school work since you passed into Seniur 3rd class.

Value 10 each. Time $1 \frac{1}{2}$ hours.
(To be continued next week.)

## faratical gicpartment.

The teacher's success depends, in a great measure, upon pleasing the people. This does not depend altogether upon the methods of teachi: 3 . First, please the pupils. Greet them pleasantly when they arrive in the morning. Help the little ones to get off thoir wraps and to the fire. Engage with real pleasure in such conversa. tion as tho pupils enjoy. Join their sports. Be ready to give or take a harmess joke. Grant reasonable favors. Praiso them for every commendaiblo deed or ctiort. Accept invitations to the homes of the pupils or to parties in the neighborhood. Talk with the parents about their chilitren, using as much praise as will not injure your conscience. Do not try to "show off." Respect tho people with whom you come in contact, and they will reapect you.-Iowa rieacher.

## A THINKING DXERCISE.-FOR SMALL FOTIKS.

1. When a number of sheop are seon together, the collection is called a lock, a mamber of cows, at drove, (ic. Give the 'orm appliod to a collection of ahips, -of girls,--of wolves, - if thieves, -of :ugcle,-of porpoises, -of buffalues; -of partridges,-of beauties, -of ruftians,-of rubbish, -of oxelt,-of whales,-of worshippers, -of enginuers, -of rubiers, of people,-of phgs,-of geese, -of swimmers.
2. The neat of sheep is called maton. Give the name of the meat of cows, -of pies, -of squirrels, -of dueks,-of deer, -of horses.
3. Give two other mames for pantaloons,-for rooster, -for water,-mother word for cows, - for church, -for boy,-for girl, for winskey, - for sum,-for moun, -for second crop (of hay),-for drunk. Do these words mean exactly the same,-if not explain the difforence.

What aro the people called who live on the opposite side of the globes The point overhead is calied the zenith, what is that under foot, or opposite the zenith? Repeat the alphabet backward. Repent the Lord's prayer exactly as it is given m tho Bible. Write from momory the figures, which are found on the fice of a watch. You have seen them a hundred times, and yet you cannot give them. You havo not looked sharply enough.-National Educator.

DIRAWING.<br>by wilhiam burvs, brampton hion school.

1. Draw a square ABCD of 3 in. side. From A BCD as centres, and A 0,130 , etc., as radii, draw the portion of the circles that fall within the equare. Connect the ende of these with circular arcs, using comers of square as centres. On each diameter, draw as much as would be visible (if below the former) of arcs, whose centres are E FF, etc., and radii E F, FE, etc.
2. Draw a vordering 6 ml . long and 2 in . wide. Divido it into forr equal spaces, and place in these crossbars of $\frac{1}{} \mathrm{in}$. wide.

3. Draw from memory, picture of an ordinary flower put and saucer standing upright. Height of eye to be above the level of top of pot. Height of picture 4 in , and extreme width 3 in .
4. Draw in parallel perspective viow of a box $3 \mathrm{ft} . \times 3 \mathrm{ft} . \times 1 \mathrm{ft}$., without a lid. Divide it into nine equal compartments, showing in all cases the thickness of material. Height of eye three feet. Distance of spectator seven feet. Picture three feet to $L$ of spectator, and one foot within the picture plane. Scale ${ }^{2}$ s.
$\overline{0}$. Explain the terms:-Station point, perspective plane, point of sight, point of distance, or vanishing point, picture plane, as applied in parallel perspective.

## COMMON SENSE TEACEING.

By what arts, it may be asked, do the teachers at this particular school succeed in suddenly awakening tho interest of childsen in subjects which heretofore havo not particularly attracted 'hem? By making them interesting instead of tircsome. How many cliildren will bo attracted by the statement that Africa is the division of the world which is the most interesting, and about which tho least is known ; or that Afrigah. from which its name is supposed to bo derived, is said to mean "colony" in the ancient Phomician, and having been given by the founders of Carthage to their territory, is supposed to have spread to the whole continent?

But childron are over ready for sturios and the relation of exciting adventures, and through this faculty, it has been foumd, thoy may be led on from one ovent to anothor of African history, from one point to auother of Afrian topogriphy, till finally, what heretofore they maty be said to have regarded as an unpalatable dose, is successfully administered in the form of a sugar-coated pill.

Instead of beginning at tho commencement of African history, at least at the point where our knowledge begins, and graduelly working forward though all the dry details, the contrary course would be pursued at the Workingman's School. The childron would be told nbout Stanley and how he found Livingstone. This would naturally lead to Livingstone, and to why Stanloy went in search of him. Then would follow the mission that brought Livingstone to Africa; the Nile, and the various conjectures regarding its source, and the reason of the world's impatience to know it; the Niger, and the interesting story of the finding of its course by Richard Lander after his master had failed in a similar attempt. Egypt and the Suez Canal would be gradually worked in as well as the history of the Continent of Africa and its relative position on the earth's surface.-From "A I'roject in Industrial Eiducation," by Faasklis H. North, in Popular Science Monthly, for March.

## TEACHER'S SCRAP BOOK.

The teacher who has not commenced to make a scrap-book should begin at once. An old geography will do at firsi. There are plenty of them at hand. Cut out the alternate leaves. If you are ambitious to do more than a single book, as large as a geography implies, find two or three agricultural reports. Having the book, the next step is a plan. A teacher who has made such a book, reports that he divides his book inte the following parts:-
(1.) Choice poetry. This may be divided into (a) pieces for the pupils to recite ; (b) picoes to analyoe and read in class, and (c) your own favorite poems. (2.) Choice stories. This will grow to bea ponderous volume if you do not use much care in selection. Put in this the stories that are specially valuable for their bearing upon such habits as the teacher has most frequent occasion to deas with. (3.) Getis of thought. This will subdivido into short ones suitable for the children to memorize, and longer ones which you may wish to save for your own pleasure, or from which to draw material for talke with your pupils. Some of these may be used to advantago in the readug class. (4.) Suppiementary geography matter. This will include selections from books of travel, and degcriptions of customs and manners of people, as an accompaniment to the geo-- graphy lessons; also, any interesting geographical facts found outside of text-books. ( $\overline{0}$.) Supplementary historical matter. Interosting incidents of history are often found foating about which will help to clothe with flesh the dry-bono matter in too many of the schonl histories. (6.) Supplementary biographical matter. Arrango a calendar for the year chromeling the birthdays of noted persons; under each name have a space to fill up with anecdotes and incidents as they are found. (7.) Natural history. Curious facts relating to the formation and habits of birds, insects, animals, reptiles and fishes.

After a few years the mass of material will be of great value. No book in the library will be cherished so carefully. - New York School Journal.

## VARYING A READI'IG LESSON.

Cut from some nerispaper or magazine a narrative story that is interesting and not too difficult for the class to read as easily us they would the regular lesson in the reader. Solect all the difficult words in it, and copy them on the blackboard, to be pronounced
and delined by the class. If there are names of persons in the story, put those on tho board also, and overything else which could be made a profitable study.

Divide the story into as many paraymples or parts as thero are pupils in the class, and give each a scrap cut from the paper, and sequiro him to study it carefully. Of course he will have no idea of its comnection with the story.
Recitation time comes. Spend the first part in reading what they were to prepare from the buard. The: have the class commence reading, reguiring them so to arrango the paragrapha given them as to make good sense. The pupil who has the scrap on which the subject of the story is written begins to read. The others read whenevor thoy see thoir paragraphs are needed to mako good sense, and so continue until the narrative is completed. Care, however, should be taken at first to cut the story in such a way as to have the connection easily seen ; but, after they have had some experience the work should be gradually made more difficult. The teacher should always have a copy of the complete story, so as to be able to prompt the pupils if necessary. After the pupils have put together the whole tale, call upon some one to tell it again in his own words. For the next reading ledson require them to write the story from memory. The paper should be taken charge of by the teacher, all mistakes underlined, and the same corrected by the pupil. The exercise obliges them not only to understand what they have read, but, it is also a good languago lesson. Pupils like such a lesson; it requires them to give the closest attention to every paragraph read, also to observe the plot of the story; or they will be unable to read when their "turn" comes, to tell what has been read, or to write it out afterward. -C. W. Crossley, T'exas.

## METHODS-LANGUAGE EXERCISES.

1. Write the names of three places.
2. Write your own name in full.
3. Write the name of ycur country.
4. Write the initials of your name.
5. Write a sentence containing ten words.
6. Arrange the words in each of the following groups so as to form a sentence:
(1) Wood, made, of, is, box, the.
(2) Old, the, lame, a, has, horse, man.
(3) Stone, the, made, aro, walls, of.
(4) He , rub, not, nest, would, the bird's.
(j) Jones, ate, pears, ripe, Paul, two, yesterdsy.
(6) Strawberries, I., phace, a, grow, know, where.
7. Write a scatement about-
(i) Yourself and playmate.
(2) Something in the school room.
(3) A place that you have seen.
(4) A winter amusement.
8. Write a sentence requiring four capitals.
9. Write two sentences in which you use the word is.
10. Combine the following to form one sentence:
(1) The birds are building their nests.
(2) They have been busy all dity.
(3) They use straw and threads and moss.
11. Write a senteuce in which you use the word $I$ and the name of a place.
12. Write the proper names of-
(1) The strect on which you live.
(2) The country in which you live.
(3) The language that you speak.
(4) The river nearest your home.
(5) A pupil in your class.
(6) The present month.
13. Write correctly the names of the soven daye.
14. Write correctly the names of the trelve monthe.
15. Name three public holidays.
16. Tell what we mean by-

A pair of gloves.
A brace of ducks.

A couple of mice.
A swarm of bees.
A herd of cattle.
A luck of birds.
A drote of horses.
17. Write the plurals of-

18. Writo an inquiry about-

A carpet. The train. A knife. The time.
1f. Writo a statement, an inquiry, and a command.
20. Write a sontence containing ten words, and requiring four capitals.
-St. Lonis Jour. of Ed.

## A LESSON IN ARITHMETIC.

## BY BELL S. THOMTSON,

Principal of the I'raining School, Darenport, Ia.
The lesson was given to a class of thirty children, between ths ages of 10 and 12 years; the time sccupied 25 minutes.
roint of the Lesson. - To lead the children to discover what $i$ meant by multiplying one fraction by another, and to teach them the process.
Apparatus $U_{\text {sed }}$ - Each child was provided with four pieces of paper, each piece esout six inches long and four inches wide.

Method. The teacher wrute $f$ on the tcard, and told the chil dren to tind that fraction of one of tho papers. After this had been done by all, a child when called upon said, "I divided my paper into four equal parts and took one of them; I have onefourth."
The teacher then said, "I vant you to find $\frac{1}{3}$ of that fourth; how will you do it ?" A child said, "Divide the fourth into three equa parts and take one of them." All the class did so.

What part of the one-fourth have you found? "One-third of one-fuuth." All hold up the answer.

Examine this, and compare it with what is left of the first paper you divided. How many such parts as you have now (holding up $\frac{1}{3}$ of $\ddagger$ ) would it taie to make the whole paper? "Twelve."

Then this must be what part of the wholo paper? "Onetwelfth $?^{\prime \prime}$

Then $\frac{f}{3}$ of $\frac{1}{4}$ is what part of the whole ? "On r-twelfth."
Teacher wrote on the board, $\frac{1}{3}$ of $:=\frac{1}{1}$.
The teacher then drew on the board a line. 2 J or 30 inches long, and had it divided into fifths. She then wrote the expression $\frac{3}{3}$ of 3, and asked who could find it. From several volunteers one was selected, who promptly divided the fifth iato three equal parts and indicated two of them. The class then discoverod that it was $1^{2}$ of the whole line, because in each of the five parts there were threesuch small parts. $\frac{3}{3}$ of $\}=x^{2} s$ was then written on the board under the first discovery; ${ }_{3}^{0} 0$ of $3_{5}^{2}=1_{15}^{4}$ was casily discovered from the same line. An oblong drawn upon the beard was divided into thirds, and two of them marked off thus (ses No. 1):

Voluntecrs were called for from the class to divide tho twothirds into fourths. They were all ready, and one proceeded to the board and did it (see lio. 2).


Another being called upon to mark ofe distinctly from the rest,

 other oxpressions.
did iv (see No. 3, A). Another did it (seo No. 3, B).
Tho teacher then carried the light lines across the excluin ' third so as to exclude the whole oblong in the division (see No. 4), and asked what part of the whole oblong is $\&$ of $\frac{y_{3}}{}$ of it? The whole class answered, " $1^{2}$ I written on the board with the

The children then folded the p.per., and found that $\frac{1}{2}$ of $\frac{3}{2}=$


The teacher now went back to the tirst discovery, $\frac{1}{3}$ of $\ddagger=$ $r^{\prime}$, and led the class by comparison to see and to say that to find $\frac{1}{3}$ of $f$, the wholo unit is divided into three times four equal parts and one part taken. She then wrote, -


Examining the second result (the real thing, not the figures), they saw and said, "the unit has been divided into 3 times 5 parts, av: ? times 1 part taken"; and as childron dictated, the teacher wrote,今 of $3=\frac{1}{6} \times \frac{1}{3}=5^{2}$.
The other results were then examined, and the teacher wrote the process from dictation as before.
When $\frac{1}{3}$ of $\frac{3}{3}=\frac{\pi}{3}$ or $\frac{1}{f}$ was reached, the teachor called attention of the class to tho fact that $i^{2}$ had been reduced to its lowest terms, and that this could be done before multiplying, thus saving tine and labor when the numbers were larger ; then the ofacation stood thus: $\frac{1}{}$ of $\frac{\pi}{3}=\frac{1}{4}$ (cancelling 2 in the numeratur and 2 from the 4 in the denominator) $=\frac{1}{6}$.

After all the expressions whose results were known had been thus treated, the teacher wrote the following, whose answer was unknown: 3 of $\frac{8}{5}=$ ? The children, reasoning from analogy, said, "To find $\frac{3}{4}$ of $\frac{3}{3}$, we must divide the whole unit into four times five parts, and take 3 times 3 of them, which will give ${ }_{2}{ }^{2}$." They wrote the solution as before. They then verified the result with their papers.

They were now ready to solve any similar problems and to do it understandingly, cancelling or reducing to luwest terms whenever possible.
The teacher then proceeded to tell the class that such expressions as $\frac{3}{4} \times \frac{3}{3}$ mean $\frac{9}{3}$ of $\frac{3}{3}$, which the class interpreted to mean, "Take 3 of a thing, divide it into 3 equal parts and take 2 of them. Of course they saw thet they would have twelfths, and 6 of them, or $\frac{1}{2}$, and gave the solution thus:

$$
\frac{3}{4} \times \frac{3}{3} \times \frac{3}{3}=\frac{1}{4}
$$

This lesson will bo followed by practice in solving such problems by dividing real things into parts, and also by drill exercises, to make the class quick and accurate in the process of cancellation. -
N. E. Joumal of Education.

## FRIDAY AFTERNOON.

by groroh c. atastin, codnty superintendent of carroll county, milinols.
In answer to a letter of inquiry asking for suggestions relative to
"Friday afternoon exercises," a leading and progressive teacher wrote this: If I wero toaching in a country sehool I should mako my Friday afternoons the happiest half-days of the week. With this ohject and that of instruction in view, success will surely follow. I'upils may bo led to do much work, under the impression that they are playing. Among the many things that you may do, the followimg are presented as examples.-

1. Have a pronunciatien test. Prepare and put on the board at least ten words commonly mispronouncei. Do this soon enough to enable the carnest panils to consult the dietivany.
2. Devote twenty minutes to " spelling down," using words commonly misspulled.
3. Hate a chart or map exercise.
4. Ilead a short shetch, and have pupils reproduce the thought orally or in writing.
5. Give out work, either orally or from tho blackboard, requiring work in addition, subtraction, multiplication and division com. bined. Teach squares of numbers.
6. Let each pupil give a sentiment from a standard author. If possible, induce the pupil to develep the thought in his sentiment. (Language lesson.)
7. Put "queer queries" on the board for incestigation. Du this a week in advance. It will stimulate observation. Parents will become interested.
8. Require pupils to answer rapidly ten questions about current events, dates, places, persons, de. Number the answers from one to ten, and criticise as in a written spelling lesson.
9. Give a practical lesson in civil government.
10. Conduct an exercise in false syntax. This work is very practical. Regure pupils to correct sentences mithout giving the grammatical reasons. In this way you can do much to teach the true use of the verbs, teach, lic, sit, lay, set; the true use of the past tenso and past participle of irregular verbs; and also to discountenance many vulgarisms. It is better to do thes than to teach the hist of Prosdents of the Einited States.
11. Require older puphls to write, fold properly, enclose and address a letter oi some kind.

The above areamong the things that pupils can and will do. Yon camot expect to bring about all these results at once. It is an casy matter to state oflat to do. But at takes tame and patience to learn hove to do these things. When the very young pupils grow weary, let thoer of them who preier it go home. You need not hope to secuce tine nalling co-operation of all your pupils, If half of them tryat first, you may feel enc ouraged. Giving sentiments is a pleasant exercise. Every teacher should own an Emerson or a Longfeilow calendar, and place it in his school-room. If you know angthing in addition to the above that adds interest to the above suggestions, please to let the teaching fraternity hear from you. If the plan of having "Friday afternoun" exerciscs in. presser you favorably, don't fail to attempt it, no matter how small your school, nor how unruly, nor how limited your supply of books and appliances, nor how bref your experience. But of ono fact you may be assured: Cinless you are willing to do much extra work nut of regular schoml hours, yeu can hardly hope to win.

## EXucational Notes amo nctus.

Ahàrew McCulloch Ess , M.A., Heal Maser of Thur.ld High Schonil, has mat writh a sulu beceatement in the less of his wife, who died on the öth inst.

There are now in London 187 ragged schools, in which are gath.
ered upwards of $60,0,0$ chuldren most of whom wero taken from the lowest state of poverty.
There is a school district within suren miles of the Massachusetts state house in which there are about twenty teachers, and not five of then ever studied to teach, usor read a work on psychology, evor ownad a book on the seience ur art of teaching, or subscribe fur :my educational publectanon. - The A mericen 'reacher.

Lurd Shaftesbury recently recesed from old scholars of tho rasged schools of London, a presentation as a token of gratitude for his devotion to the rasgred schuol movement. With the address, which was handsomely illuminated on parchment, and framed, were wficred six copies of H.dman Hant's "Light of the World," which the donors ayked the noble e orl to distribute among his children.

The Commission of Education reports that there are 18,031 Young women now studyng in the variuus colleges of the cou:try. Thas is certainly a small proportion when the advantages.ffered by the female colleges are considered. It is lihely, howe er. that the next fow years will witness a rapid increase in the number of female collegians. -The Current.
On Monday, in reply to a deputation from Aberdee:i urging tha extension of the system of university training for teachers intended for the elementary schools, Mr. Mundella fully acknowledged the mporiance of the question, and expressed has conviction that the mater was one for carefui consuderation in the future. He urged the necessity of giving the students an opportunity of minghng with men destaned for other professions, so as to g : ve them a wider range ot knowledge and prevent them sittug down mone groove.-School Guardian.

A menting of the Convocation of Tornnto Liniversity was held in Moss Hall on the Oth inst., to discuss the College Federations scheme. About forty alumni were present. After discussion the following motion, submitted by Dr. Hodgins as an amendment to an amenduent was carried: That this Convocation emphatically disapproves of any alteration of the basis of union originally agreed upon as accepted by the University of Toronto miless and except the amendments thereto be subinitted to and accepred by the Senate and Convocation of Toronto University.

The annual closing Examuation of the Prince of Wales Collego and Normal Schools, Charlottetown, P. E. I., took place a week or two smec, His Honour, Governor McDonald, presidng. For the first time m the hastory of the College, diplomas were zo bo giren. To obtain one of these, a student needs to astend at least two years, and to make at the end not iess than an average of $7 \overline{0}$ per cent. of jtue attinable number of marks. These marks are gwen on seven sulijects, as follows:-English and English Literature, Latin aud Latun Cwnuosition, Greek and Greek Composituon, French, Algebra, Geonetry, Trigonometry, I'hysical Science, Hiotery. Young ladies would be allowed the diploma without a knowledge of Greek or Trigonometry, nur was Greck necessary to a male student intending to prosecute the study of science. Twos had ganed this diploma, Gordon Laird and Preston Tuplin, each of whom had an average of about 90 per cent. Professor Anderson explamed that inasmuch as the Theologeal Faculty of Pino Hill Seminary. Halifax, had full confidence in the character of the training given in tinin Colleve, they had asreed to accept such a diploma in cquivalent to a pass 13. A. degrec in Dallownse or Fredericton Universities in the subjects above naned, so that a student wishing to pursue Theolngy in Pino Hill would, with this diploma, only bo obliged to attend Lectures in Arts oa 1'hilusophical subjects. The prizes wero distributed to the successful competitors by (iov. AIcDonald.
On receiving in presentation from his old ragged school pupils, Lord Shaftesbury sand ho cordially accepted ior himself and his children thai tertamony of che affectionato respect of his old ragged school children, gifis which would be prized in his own family as hearlmous. Tho radifed schoul movement ho regarded as a special fanterpustion of lresideaco to chech a stato of things whech, if it f had gone on, must hav land London naste, or by this tume have made at a must maseratolo phaco furs ats ahabitania. He congrata lated the mectiag, not only on the change for tho better an the condition of the ragred class, but also on the clanage in the view taken by those whose duty it was to maprove the condition of nero lected children. Jayng an eloguenz tibute to the devoted habours of tho ragged-scheol teaciacti, after ther own day's wurk , was dene, manenthated roums, amad porr deriaded hatio beasas, who shocked every moral anu plystai senso of thuse of ho liad cumo tur therr assistance, he described the jrugress of the good work frum the time when hali a dozen devoted men ;ad women initiated the
mavement until tho teachers numbered 3,000 , and could not point to over $3 C 0,600$ peoplo here and in all the colonies who owed their position of respectability, and often of wealth, solely to tho raggedschools. Such schools did work which could never be done by Board fchools. While gratefully acknowledging all the kind things which had been eaid of him, he would say of himself, in the words of Scripture, "What hast thon that thou didst not recoive?" Looking back upon his life, and thanking God, he would conclude in the langunge of Hespuet and say, "I pray that the remainder of my days, whatever they may be, may consecrato to $\mathrm{H}^{\prime}$ s servicu the remninder of a voice which is beginning to fail and of an ardour which is almost extinct."

## Qucstion Etaluct.

## Questrons.

1. What countries composed the Allies who took Deudermond, mentioned in the story of Le Ferre?
2. "Even from out thy slime,

The monsters of the deep are made ; each zone
Obeys thee ; thou goest forth, dread fathomless alone."
These lines are from the "Occan" by Byron.
Name the mensters, (or some of them), that are made out of the slime of the occan.
3. What is a province? what is a mumicipality?
4. Between what cities in tho United States, and the British Islands, is trade with Canada chicfly carried on? ML. W. P.
What is meant by the "quantity" of a letter? C. S. G.

1. In what year did Irving publish Rip Van Winkle?
2. Could you give a programme of subjects as they come up during the week of cxaminations for thirds and seconds?

A SOBSCLIDER.

## ANswEus.

M. W. P.-1. We give it up. We fear it may be as hard to locate facts of history and geoprin!ly "m "Tristram Shandy" as in the "Odyssey." Sterne's novels were hardly constructed on modern realistic principles.
2. Either our querist is slyly "poking fun," at our "Question Dratrer," or he must be slightly deficient in magination. We do not think Byron was an ardent behever in " spontancous generation," but at any rate, modern science has ahout given it up.
3. The meamag of the word Irovince depends a good deal upon the connection. A Roman Prorince was ac conaty or region beyond the Confines of Italy, conquered and govensed by Rome. We now use the rord as a politico-geographacal term to denote any country or portion of a country, owing allegiance to Great Britaia, and having a local constitution and zovermasem. In reference to the Dominion, it also denotes the distinct corfederating States, or Communities.
4. A full answer to this question rould require too much space. The Maritime Provinces trade wath the Amercan seaport c.tics, such as Portland, Beston, and New York. Ontario :nd Quebec, also deal largely with New York and Buston. The lumber of the Ottara region is largely carried in banges hy the Ottawa and St. Lawrence, the Richehen and Lake Champlain to Albany, on the Hudson. A large trade in lumber, gran, buter etc., is carried on by Ontario with Chicago and Ottawa. A good deal of iron ore is seat to Cleveland. Manitoha and the Norah. West, trade largely with St. Paul and more Western American cities.
C. S. E.-There is, strictly apeaking, no such thing as quantity of English letters. In any ease quantity relates only to vowels. In regard to the Greek and Roman poets, the word is used to denote the length of time required to pronounce each vowel somud. Every vowel was either lung or short, ono lung vorrel or diphthong being regarded as equivalent to two short ones, i.e., as occupying just as much time in pronunciation. The whole system of metri cal feet in the classics, is based upon this distimetion. We use the same terms spondec, trochee, dactyl, etc, in regard to Englisin poctry, but for quantity yroper of vowels substitute accentuation of syllables.

A Scesermpen.-1. The Shetch-beck, in which Rip Tan Winkle first appearcen, "as written in Lendun, where Irving was then resi ding, in 1819. It was published fist in numbers in Niew York, and afterwards in book form in London, in 1 S20.
2. Subjoined is the Programmo of Examinations for Second and Third Class.

## EXAMINATION TIME-TABEE, 1885.

## Non-Professionul Thirrl and Second Classes.

| DAYS AND HOURS. | SUBJECTS. | CLASS. |
| :---: | :---: | :---: |
| Monday, bth July. |  |  |
| P. M. 1.29-1.20... | Reading Regulations. | III. |
| $1.20-3.25$. | English Literature. | III. |
| 3.30- $\mathbf{0} .00$ | Iistory | III. |
| Tuesduy, 7th July. |  |  |
| A.M. 9.00-10.80. | Algebra | III. |
| 10.35-12.05. | Geography. | III. |
| P.M. 1.30-3.30. | English Gram | III |
| 3.35-4.50 | Physics. | III. |
| Wednesslay, Sth July. <br> A. ML $9.00-11.00$ |  |  |
| 11.05-11.25 | Reading Regulation | II. |
| 11.30-12.00. | Mental Arithmetic | III. and II. $\dagger$ |
| P. Mf. 1.30-3.30. | Euclid. | III. |
| 3.35-5.05. | German Grammarand Composition.*. | IIT. and II. |
| Thursday, Sth July. |  |  |
| A. It. 9.00-10.30.. | Composition, © Prac. English. | III. and II. |
| 10.35-12.00. | Reading (Oral)* | III. and II. |
| P.M. 1.30-4.00 | Latin Authors* | III. and II. |
| 4.10-5.10. | Draming. | III. and II. |
| Friday, 10th July. |  |  |
| A.M. $9.00-11.30$. | French Authors* | III. and II. |
| 11.35-12.35 | Book-keoping | III. and II. |
| P. 15. 1.45-2.15 | Dictation. | III. and II |
| 2.20-4.50. | German Authors* | III. and II. |
| Saturday, 11th July: |  |  |
| A.3. $9.00-10.30$. | Latin Grammar © Composit'n* | III. and II. |
| 10.35-11.35. | Botany*. ......... | III. and II. |
| 11.40-12.05. | Writing | III. and II. |
| P.M. 1.30-3.00 ..... | French Grammar \& Compo'n* | III. and II. |
| $3.0 \overline{0}-4.0 \overline{0}$ | Principles of Reading. ........ | III. and II. |
| 4.10-5.10. | Music* | III. and II. |
| Monday, 15th July. |  |  |
|  | Hydrostatics). | II. |
| 10.50-12.20.... | Chemistry.................... | $\Pi$. |
| P.M. 1.30-3.30 . . . | English Literatur | II. |
| $3.35-\overline{5} .20 .$ | Algebra...... | II. |
| Tursday, 14th July. A. M. $0.00-11.00$ |  |  |
|  |  |  |
| 11.05-12.35. | Geugraphy | II. |
| P.M. 2.00-4.00. | Euclid. | II. |
| Wcancsiday, 30̄th July. |  |  |
| A.M. $0.00-11.00 . .$. | English Gramm | III. |
| 11.05-12.35... | History | II. |
|  |  |  |

* If tho candidates at any examination centre are so numerous that all cannot be examined in Reading during thoperiod specified, Thursday, July 9th, am. 10.35-12, the other periods marked* are avalable for the exammation of such as are not engaged mating on an optional subject.
t Where the same time is fixed for both III. and II. the paper is also the same.

Their werks prove their ments; as for instance, after a quartor of a century of estableshed success, the Esterbrook's Stecl Pens, sold eversmhere.

Titcruv chit-iilat.
Tho Athentic Monthly for July will contan a long poem by Whittier.

Professor Momsonis" History of Rume is being translated into! Eughish. Oharles Siribnur's suas ato to be hav pubhashers.

Lurd Tennysun is the furtuate pussessur of chreo humes, ono in London, one at Alduurth, in Sussed, and anuther at Freshwater, on the Isle of Wight.
"The Fall of the Great Republic," is a sensational history of the downfall of the Onited States. It purports to be written in 1895 by Sir Henry Standish Coverdale, Intendane for the Board of Eurupean Admibistration us the Probshe of Nex." Jorh. The first, chapters of this Americau' Battle of Durhiug" are well written but the concluding ones violate all canons of probability.

## stliscellameons.

## SCPIRESSED STANZAS OF GRAY'S ELEGY.

The following stanzas wheh Gray had inserted in the first a.s. of his immortal poem, he afterwards changed or omitted. The second of the four was moulded into the 24 th, and the fourth into the 19th, as the poem now stands. The other tro, beautiful as they are, were left out perhaps becauso they were thought to mar the unity of the poem. None but a true poet would have been able to cast aside such lines:-

> The thnughtless world to majesty may bow, Exalt the brave, and idolize success;

But more to imnocence their safety owe, Than power or genius eier conspired to bless.
And thou who, mindiul of th' unhonored dead, Dost, in these notes, their artless tale relate,
By night and lonely contemplation led, To wander in the gloomy walks of fate.
Hark : how the sacred calon that breathes around, Bids ev'ry fierce, tumultr, us passion cease;
In still, small accents whispering fiom the ground, A grateful carmest of etermal peace.

No more, with reason and thyself at strife, Give anxious cares and endless wishes room;
But through the cool, sequestered vale of life Pursue the silent lesson of thy doom.

## ANECDOTE OF GEN. GRANT.

Senator Ingalls, of Washington, has recently related the following incident which will be read with interest just now :-
"General Grant was one of the most entertaining after-dinner talkers I ever knew. He was unly the silent man in crowds, and at times when flatterers tried to draw him out and make him talk about himself. But after dinner, or with afew congeninl friends anywhere, he was ready, interesting and often fasumaturg in conversation. I recall especially one evenity when General Gramt was President. It was at a dinner party he gave at the White House. Among the guests were a number of Senators and General Sheridan. Mrs. Grant and the ladies had retired from the table and we were smoking our cigars. General Grant talked a great deal. Ho was in his happiest mood, and I know everjbody enjoyed him just as much is I did. I don't know how it come about, but finally we began to go backward and talk of the time of life a man would most care to live over agam. Each one mentioned some particular age when life seemed brightest and most desimble, and a period he wuald enjuy to ince tho secumd tame. Sume turned back to boyhood, others th early manhood with the pleasant recollections, while to some the present was must satisfacturs. 'And you, General ; what part of your life would you like to live over again ; one of the guests asked of the President.
"Goneral Grant dropped his chin on his breast, and was silent for a minuto or two. I can seo him now, as we all waited for his atuswer, and tried to read it in his faco, which, as usual, was a sealed book. But we fully expected ho would choose that part of his life which had been prusporvus and great. Ho lifted his head and said in a vuice of quiut decisiun that left no duubt of sincerity .-
"' All of it. I should like to live all of my life over again. There isn't any rart of it I should want to leave out.'

- I shall never forget the mpression his answer made on me, and I think it impressed every one elso. He was the only man in the ruum who was ready tu take the bitter with the swreet in his life. Every utu of us had left uut sume particular time of hardship and discouragement, when the world seemed darkest. Not one was brave enough to face that time again ; and probably not one of us had had such hard times and so much of real adversity to begin with. I think the most of us had begun to prosper before he was out of the woods. But General Grant was the only man smoking his afternoon cigar at the White House that evening who had the courage to live his whole life over again."


## THE ESTHETES.

The wild young kitten aroused the cat, As dozing at case in the path sho sat. "Oh, Mother!" he cried, "I have just now scen A flower that suggested an Oriont queen! 'Tis yonder by the ..asturtion-vineBarbaric and tropic and leonine(I am not quite clear what these terms may mean, But they've something to do with the flower I've seen!) And the aim in life of a high-souled cat
Is to gaze forever on flowers like that!"
To the wild young kitten replied tho cat, As blinking her oyes in tho sun she sat: "I should hopu I had known how sunflowers grow, I-couldn't-count-how-many years ago! But thoy never caused in my woll-poised mind Ideas of a dubious, dangerous kind !
And your time henceforth-it's your Ma's advice-
Will be speut in maturing your viowe on Mice?"
The wild young puppy disturbed the pug,
As she drowsed in peace on the Persian rug.
"Oh, Mother !" he cried, "I have just now seen A plume that suggested a rainbow's sheon!
With a gorgeous eye of a dye divine,-
Blue.greon, iridescent, and berylline-
(I am not quite clear what theso terms may mean,
But they'vo something to do with the thing I've seen!)
and the only joy of a cultured pug
Is to gaze on stici: in a graceful jug !"
To the wild young puppy replied the pug,
Composing herself on the Persian rug:
"I would blust with shame through my dusky tan
If I raved at a piece of a peacock fan :
Twould never have raised in my sober mind Ideas of a doubtful, delirious kind !
I will seo that henceforth your attention gocs
Tu perfecting the suub of your small black nose:"
-IIclen Gray Cone, in St. Nicholas for Junc.

## gitcary P cuicto.

Flectra for Junc, cortains a well nrranged varicty o! interesting articles thographical, hastorical, practical, philosophic, and umaginative. This perindual is alat it claitms th bo, a "Mrgazino of pure literature," for tho home circle.
"Welcoser Hoxr, Brave Voluntesrs," is a new ahect of Mnsic dedicated th the Viluncecrs of Canada. Tho words by John Immo aro spinted and of the music it is sufficietit to say that it is composed by $F$. H. Torring ton, and donbtless worthy of his reputation. Printed aud Published by Tmres \& Graham, 20 and 23 Colberno St., Toronto,

