

forms of triangle, rectangle, parallelogram, oblong. Let the teacher use these figures, also, to explain the points of difference as well of agreement in them. In many of our Drawing-books in use these figures and their names are given, and thus it becomes mere book-learning. We cannot too earnestly impress on younger teachers of this subject, always to refer every form to some practical illustration of it in the child's surroundings. Take a slate, for example. How much more a pupil will understand in regard to a "rectangular parallelogram" than by any mere verbal definition.

The next group of work may be readily combined with the former, viz.: Mouldings or borderings, the first being raised or depressed ornament; the second, colored ornament on a flat surface. Let these always be drawn five or six times as long as broad, and be surrounded at a distance of about one-fourth of an inch by heavier lines, to throw up the picture more plainly. The simplest forms are the zigzag, simple and double, and the Greek fret, simple and compound. It may interest the class to explain how the curved line was commonly used by our Celtic ancestors, and the straight line by the Greeks, in the ornament placed round their long robes, &c. To draw the simple zigzag.—Draw two parallel lines about an inch apart, and six inches in length, then divide this into squares of one inch side. Bisect the upper and lower sides of these squares, and join the points of bisection with the opposite angular points of the square. This may be modified by making parallelograms of  $1\frac{1}{2}$  inches or three-quarters of an inch in horizontal side. Next draw lines parallel to these diagonal ones, at about one-eighth of an inch on each side. These will produce a "lattice-work" ornament, and the pupils may be required to represent the lattices as crossing from R. to L., or from L. to R. Only be sure that they all cross in one direction and do not commit the absurd error of alternating in the crossing. The Greek fret is simplest drawn by making a square as before, then dividing it into 16 small squares by parallel lines. Let us suppose these points numbered vertically from 1 to 25. Join points 13, 12 and 12, 17 each covering one side of a square—next join 7, 9 and 9, 19 each covering two sides of squares, then join 19, 16 and 16, 1 each covering three sides of squares, and lastly 1 to 5 will complete a pattern. This can be repeated as often as liked, by commencing again at 2, 25 and so on. Many other combinations of these can be devised or copied by any one. The "Triangle Moulding," made by placing triangles in the half-squares alternately with the vertex downward as given in Walker Smith's Manual, is also a very suitable exercise for pupils. A very good exercise to test neatness of drawing may be given by asking the pupils to draw, as it were, a picture frame in the middle of the page, then to cover this frame with an ornament slightly different on each side; and within it to place the initials of the pupil, or those of the school in form of an involved monogram. This is always interesting to children, and we have seen some really remarkable specimens of youthful ingenuity, after a teacher had shown how to do his own monogram either in rustic letters, made of branches of trees, or broken pieces of wood, or any other little variety of that sort of device which will readily occur to an interested mind.

Exercise.—Draw two lines parallel and at 2 inches apart, 7 inches in length, divide (as far as possible) into squares. Within first square place a simple zigzag, within the next a "lattice," and in remainder a Greek fret.

The true teacher is a character former as well as an instructor in the branches. A true character is the highest ideal. A truthful, honest, industrious man or woman is a high type of the best civilization.—*J. M. Greenwood, Supt. Schools, Kansas City.*

The teacher needs an iron will. The teachers of wavering will cannot give decision and firmness to the characters of the children under his training. True success in the school-room is attained only by those teachers who possess unwavering decision of character.—*The Iowa Normal Monthly.*

## Educational Notes and News.

Perth county model school has an attendance of seventy-eight teachers in training.

Jas. W. Morgan, principal of St. Helens public school, Huron County, is at present attending Hamilton Training Institute.

Mr. Neil McEachern, the new principal of the Shelburne Public School, has entered upon the work.

Mr. McDougall, honor graduate of Toronto, is the new mathematical master in Kincardine high school—salary \$800.

Mr. R. Stothers has been re-engaged in Holyrood school, County of Bruce, at \$480.

Miss Rose, of Woodstock, at present in Chicago, has been appointed by the Presbyterian Church to take charge of a mission school on Chief Pin-a-pot's reserve, near Regina.

Mr. V. G. Fowler was appointed assistant high school teacher of Caledonia, but after going there he was barred by the new regulation requiring a course at the training school.

The new model school at Bracebridge was opened on the 8th instant. Mr. Greenlees is to be the teacher at a salary of \$225 for the term.

Dr. Morrison, formerly principal of the Walkerton High School, has been appointed Professor of Chemistry, Toxicology and Metallurgy, in the U. S. National University at Washington, D. C.

The Sarnia Board of Education has decided to request the Mayor and Town Council to levy a tax of \$7,314 on the ratepayers of the town for the maintenance of the High and Public Schools for 1886.

Those who have children attending school have learned the cost of Hon. G. W. Ross' control of the Education Department by paying 10 cents for a book that can be produced for  $2\frac{1}{2}$  cents, and 50 for a book that can be produced for 15.—*Kincardine Standard.*

The Cayuga High School is prospering. An increased attendance, a building repaired and improved, and a good degree of enthusiasm in trustees, teachers, and pupils argue well for its success. The Board and the Head-master, wisely or unwisely, now offer eight prizes to be competed for next midsummer.

Mr. A. C. Lawson, M.A., a former student of the Hamilton Collegiate Institute, has written a very interesting paper on "Ancient Rock Inscriptions in the Lake of the Woods," which has been published in the *American Naturalist*. The illustrations were obtained in the leisure time at the disposal of Mr. Lawson, while prosecuting a geological survey of the Lake of the Woods last summer.

Several changes have been made in the staff of the Caledonia Schools. Mr. R. C. Cheswright has been transferred from the Model School to take the place of Mr. Elliott as Mathematical Master, the latter going to University College, Toronto. Mr. Robert Moir, of Hensall, has been appointed second assistant. In the Model School Mr. Rowat, formerly of Kingston, takes Mr. Cheswright's place, and Mr. Coutts takes the position of assistant during the Model School term. The people of Caledonia are deservedly proud of the record of these schools.

A TEACHER FINED.—Mr. Cairns, school teacher, Dutton, was arraigned before J. P. McIntyre, at Wallacetown, yesterday evening for unmercifully punishing a young son of Mr. Chapman. The teacher was fined \$2 and cost, in all \$7.50.

Our Dutton correspondent thus explains the affair:—On Monday evening Mr. Cairns, principal of the public school, Dutton, punished with moderate severity the twelve-year-old son of Mr. Chapman, shoemaker. During the struggle (for young Chapman struggled like a wild cat), the boy's head struck against the form, and he received a black eye. Chapman senior, thereupon, entered a complaint before L. W. McIntyre, J. P., of Wallacetown. The trial came off last evening and Cairns was fined \$2 and costs. The case will likely be appealed.—*St. Thomas Journal, Oct. 1, 1885.*

Mr. James C. Black, who was engaged to take charge of the senior department of the Wallacetown school, has found out that he cannot leave his present position. The trustees have hired Mr. Knox, of Collingwood, for the rest of the year.

Mr. James O. Black has been engaged by the Wallacetown School