

in a line parallel to GL because the angle 30° which the given line makes with V is constant. From B_1 draw $B_1'B_2$ perpendicular to B_1B_2 , a line parallel to GL. Then $A'B_2$ must be the required horizontal projection and $A'B_1$ is the required vertical projection.

If the student will take two co-ordinate planes at right angles, a wire two inches long, and a piece of cork to hold it in position, he will see projected on the planes all the lines given in the diagram as he revolves the wire on the fixed point from the position of being parallel to both planes to that of making an angle of 30° with V and finally placing it so that its vertical projection makes 60° with GL.

Exercise in Writing.

1. Sentences from blackboard taken from reading lessons.
2. Copy words from blackboard and from script and print charts.
3. Copy list of all words taught during the week or month.
4. Children copy known words from cards, arranging them in stories.
5. Copy name and address. Copy teacher's name and address.
6. Give books to each or simply a printed leaf. Children find known or designated words, and copy.
7. Cards with simple outline pictures. Story of picture told in one or two short sentences. Children copy sentences and draw pictures.
8. Trace both pictures and stories.
9. Trace pictures and stories by means of tissue paper.
10. Paste-board objects, animals, cups, fans, hats, etc., with stories written on them. Omit names of objects. Children outline shape of object and copy stories, supplying omitted words.
11. Write name or short story about picture presented by teacher.
12. Teacher writes and cuts up sentences composed of known words. Children put together and copy.
13. Place several objects before the children. Children write short stories about each.—*Journal of Education*.

In France gardening is taught in twenty-eight thousand elementary schools, each of which has a garden attached to it. In Sweden, thirty years ago, twenty-two thousand children received instruction in horticulture, and each of the two thousand and sixteen schools had for cultivation from one to twelve acres. In Russia many children are taught tree, vine, grain, garden, silk-worm and bee culture.

Our History Scrap-Book.

On our reading table lies a large book, bearing the title "History Scrap-Book," beside it a mucilage bottle, pair of scissors, a sponge, and a pasteboard box. The box contains sketches, portraits, pictures, statistics, in fact anything historical gathered from old books or periodicals by teacher or pupils. This book is under the care of two pupils (appointed by the teacher, a new set each week,) whose duty is to paste the matter in the "History Scrap-Book." Much excellent matter is thus accumulated that otherwise would be destroyed. (We will state here that a full set of these books is kept, one for each different branch of study, and a set of pupils appointed each week for each book; they care for them in odd moments and are proud of the opportunity of being a help to the teacher. At the close of the term the books are left in the school library.)—*N. S. M. in N. E. Journal of Education*.

Facts About the British Empire.

"God Save the King" is sung in twenty languages. Two-thirds of the ship building of the world is done by the British.

The British have 689 ships of war. They could fire off 7,530 guns at once.

We can travel entirely around the world without leaving the British empire.

The British empire, if cut into a strip a mile wide would reach round the world 450 times.

Three-fourths of all the letters which are posted in the world are written in English and sent to persons who speak English.

The population of the British empire is 385,794,972.

The area of the British empire is 11,646,795 square miles.

There are within the empire 33 persons to each square mile.

As much as 2,500 millions sterling have been lent to other nations by the British.

No one of the ancient empires, like that of Persia, Greece, or Rome, was equal in size or wealth to the British empire of today.

Never choose a rainy day to "lecture" your pupils. If you have any fault to find other than individual, or any error to correct in the whole school, do it on a bright sunshiny day. Even individual correction, unless the case is urgent, had better be left to the future if the day is rainy, the schoolroom cold, and especially if the stove has been smoking.