

Is the power thus stored up after so much hard work sure to be wisely expended? Will the ocean breezes always carry commerce in safety to its destination or will they sometimes stir up the waves to destroy it? Is not the wind as ready to fan the fire of a burning city as it was to brighten those that make the steam to keep its factories at work?

Teachers will do well to remember then that the mere possession of power provides no guarantee for its wise and judicious expenditure. The skill to set the machinery in motion and guide its many varying forces in their application each to its proper function is still necessary. And to the calm preparation which should precede the application of these subtle agencies much more than to the mere possession of the stored up power must the teacher look for her ultimate success or failure in her vocation.

Next to the group of visible energies (as these two varieties, viz. visible energy of motion and the potential energy of arrangements have been called) we come to what is termed the group of heat energies, viz., absorbed heat, latent heat and radiant light and heat.

The contrast between the visible energy of motion and the invisible energy of heat is instructive. We are apt to get our ideas of great force from the operation of some mighty machine which exhibits many parts in active motion, from the noisy rushing railway train, the mighty cataract, or the destructive action of the hurricane, but the invisible energy of heat working silently transcends all these in the importance of its results, whatever noise or ostentation may result no sound accompanies the application of the mighty energy of heat. It works

As noiselessly as the daylight
Comes when the night is done,
And the crimson streak on ocean's cheek
Grows into the great sun;
Noiselessly as the springtime
Her crown of verdure weaves,
And all the trees on all the hills
Open their thousand leaves.

Thus silently does the energy of heat again and again transport the rain-drops from their ocean reservoirs back to the mountain tops to furnish never failing sources of supply to the mighty rivers and lakes "bringing fresh showers for the thirsting flowers" and "the dews that waken the sweet buds every one."

Thus silently does the genial influence of heat unlock the fetters with which winter has imprisoned the vegetable world. Thus silently too, has heat stored up those elements of mighty potential energy which have grown in our forests or lie hidden away in the coal mines. And this silent energy which accomplishes so much by contrast with the noisier application of visible force is no less potent in the school room than in the physical world outside it. The genial sun removed the traveller's coat when the blustering wind had failed and a gentle nature has produced in classes results that were wholly unattainable by a teacher richly endowed by nature with the elements of visible potential energy.

The calm invisible influence of self-control contains infinitely more governing power than the most violent ebullition of ungovernable temper. The first grows steadily and strengthens as it grows, while the yeasty effervescence of the other produces no good effect and leaves everything it touches disfigured by the froth of its outbursts.

The teacher whose inclination impels her to encourage every honest effort for good on the part of the child exerts an influence which produces its own re-action in an accelerated desire to do still better. The latent heat of ready sympathy with the aspirations and depressions, the rapidly alternating hopes and uncertainties of child nature holds a key which will gain access to the heart and soul when the more readily visible force of a sterner activity will be refused admission at the very outer gates.