

who, provided they can get good milk in sufficient quantity, care little how that milk is produced ; such persons may think that I devote too much time to the consideration of soils, manures and fodder ; but it is, to my thinking, beyond question that all of you, whether working on the dairy farm, or in the cheese or butter factory, are equally interested in whatever may serve to increase the production of milk. There is a vast army of men and women, who cannot come here every year, engaged in this production, without whose co-operation the factory system which you so largely represent would have no existence ; your success is closely connected with theirs, and if, besides the profitable wisdom that you carry home from here for your own use, you would treasure up whatever comes in your way that may be good for them, and impart it to them in liberal measure, the measure of your own success may be increased to a like extent.—Then this Dairymen's Convention might become a sort of a teachers' institute, and the sphere of its usefulness would be greatly enlarged.

GENERAL COMPOSITION OF SUBSTANCES.

All the materials which the Dairyman handles, whether raw or manufactured, are to a certain extent alike in composition. Every soil which will yield anything that can justly be called an agricultural crop, as well as almost everything that the farmer is accustomed to put on the soil, in order to increase its productive powers, every plant that he raises for food, or fodder for his animals, every animal that he feeds with the produce of his land, and every article that he manufactures, such as milk, cheese, butter, wool, wine, vinegar, with or without the aid of these domestic animals, is composed of a volatile part that can be driven off by the heat of a fire, and a non-volatile part, which remains behind and constitutes what everybody is familiar with as the ashes of what has been burned. The volatile part itself consists of water, which is expelled at a much lower temperature than that required to expel the other, or what may be called the combustible portion by burning.

You fell a tree in the forest, cut it up and let it season ; a