their edges, which deles and assumes a horny form, and is known tant ingredient must increase every year. When the night soil of by the name of gropes The grease is supposed to arise from the cities shall be generally converted into poudrette, as it now is in filth and urine of the stable acting on the tender skin of the hiel; yet some horses are more subject to it than others in any titles used in the shape of ourn and cattle will be returned to the situation. Care is the best preventative, and as this has banished country and made available for new crops and the feeding of new the disease from the cavalry of most mations, it would dutibiless animals. The following extracts will show the loss furniers auprevent its recurrence among farmers' horses where it is most iniurious .- 1b.

TO TEE-TOTAL HAYMAKERS .- Sir: Having tried the system of total abstinance last year, during the hay season, with my men, that with every pound of urine a pound of wheat might be proand having found it answer in every respect, perfectly, I beg you will allow these few lines a place in the Journal this week, as the hay season is rapidly approaching, and in ten days many will be beginning, and I am anxious that others should try the plan during hills containing them are protected neither from evaporation or

I had my men from Bedford-hire, and having calculated the expense of the former allowance of herr per man, I gave them exactly the potash which existed as organic salts in the plants consumed the same amount in money, and my halliff assures me, that nothing by the animals."-Ib? could be more regular than the men, and on Monday morning instead of being weaker, as formerly, from the effects of Saturday If the demand for barley and apples falls off, the farmers as a matand Sunday's drinking, they were refreshed and stronger than ter of course will not grow such large quantities as they now doever. That he never had an angry word during the whole season, other productions of the soil will be wanted in larger quantities, and never heard an oath-and such was the success, that I shall and the farmers will soon find out what is most wanted, and what never have any more beer in my fields, and I know that I shall be will pay best. The growers of popples, and makers of opium in as much benefitted by the steadiness of my men as the men will be the East Indies, will doubtless inquire with equal carnestuessby the saving their constitutions and money.

Many persons came during the hay season to see the dinners go into the hay fields, which one of the men cooked, at their expense for his time; and instead of cans of beer and a little bread and At the end of the day, instead of going to the alc-house, the men read a chapter in the Bible-unifed in prayer in the barn, I look back with great delight. Two or three of my neighbours tried the same plan, with similar success, and this year I am comprinciples.

I feel certain that nothing but prejudice stands in our way, and work at the harvest to set out with prayer, and to remember that ture too. they are responsible for the good or bad example which they may set, and that not only are the eyes of all the country upon them, evil and the good. Yours truly,

May 13, 1841. JOHN TROTTER.

-Landon Temperance Journal.

Prof. Liebly is a strenuous advocate for a rotation of crops, and his reasons are based on the theory of Decandolle, which he considers as fully established: "Decandolle supposes that the roots of plants imbibe soluble matter of every kind from the soil, and thus eands in his possession. That man is rich, who owes no man necessarily absorb a number of substances which are not adapted to the purposes of nutrition, and must subsequently be returned to the soil as excrements. Now, as excrements cannot be assimilated by the plant which rejected them, the more of these matters which the soil contains, the more unfertile must it be for plants of the same species. These excrementitious matters may, however, still be capable of assimilation by another kind of plants, which would thus remove them from the soil, and render it again fertile for the first. And if the plants last grown also expel substances from their roots, which can be appropriated as food by the former, they will improve the soil in two ways."-Cultivator.

IMPORTANCE OF CHEMISTRY TO ADRICULTURE.-If we strew the floors of our stables with gypsum from time to time, they of education that is so little understood, or that is so seldom judi-will loose all their offensive smell, and none of the ammonia which clously carried into effect. Here, too, the mistake is made of con-

supply of nitrogen in place of that taken away in the hay and grain, using that of example. A man of irritable nerves and great infirmity In large farms, where each field in rotation is in grazing, the nitro- of temper, with the cane constantly in his hand, is employed to gen is completely replaced, and where the manured made on a teach children the lesson, 'Thou shalt love the Lord thy God,

some places, no nitrogen of consequence will be lost, as the quantain from not attending to these powerful manures : "

" When it is considered that with every pound of ammonia which evaporates, a loss of 60 pounds of cuth (grain) is sustained, and duced, the difference with which these liquid excrements are regarded is quite incomprehensible. In most places only the solid excrements, impregnated with the liquid, are used, and the dungfrom the rain. The solid excrements contain the insoluble, the liquid all the soluble phosphates, and the latter contain likewise all

WHAT SHALL WE DO WITH OUR BARLEY AND APPLES?-" What shall we do with our poppies?"-English Paper.

A HINT TO FARMERS .- We may send to England for Durham cows, and to Spain and Saxony for the choicest sheep-we may search the world over for cattle that please the eye; but unless they cheese a large wheelbarrow full of roast or boiled meat in large receive the best care, and liberal feeding, they will most assuredly pans, and potatoes, &c. &c., and a pail full of coffee was sent to deteriorate and eventually become as worthless and unworthy of propagation as any of the skel-ton breeds that now haunt our rich but prefected pasture lands. We remember an anecdote in point, and then lay down to rest. And it really was a scene upon which and will relate it by way of illustration. A farmer having purchased a cow from a county abounding in the richest pastures, upon taking her to his own inferior pastures, found that she fell missioned to announce that we want eleven mowers, and eighty short of the yield which he was informed she had been accustomed eight haymakers more than those already engaged on testotal to give. He complained to the gentleman of whom he had purchased, that the cow was not the one he bargained for, or, in other words, that she was not what she was ' cracked up to be.' I therefore would strongly urge all our members who do come to said the seller, 'I sold you my cow, but I did not sell you my pay-

CHEMISTRY .- When butter is to be made, if a little old butter be put into the cream, the butter will come from much less charnbut that "the eyes of the Lord are in every place beholding the ing. When soap is to be made, if a little old soap be put into the lye and grease, the soap will be made with less boiling .- Farmer and Gardener.

> It is stated that the oil expressed from the castor bean is as useful for lamps as the best whale oil, and can be procured by the cultivation of the castor bean, at about one half the expense

> That man is poor who cannot pay his debts though he has thouaught but love, though he eats his corned beef and bread from a pine table, in a log cabin kept neat and clean by a tidy and industrious

EDUCATION.

We extract the following observations upon religious and moral instruction, embracing sentiments which cannot, we think, be too frequently repeated or too widely circulated.

"The necessity of religious and moral instruction for children is universally admitted, and yet perhaps there is no part of the subject forms can be lost, but will be retained in a condition serviceable founding words with things; or, to use a scriptural expression, of substituting the letter which killeth for the spirit which giveth life. l'astures act a most important part in returning to the soil a l'The error is in over-estimating the force of precept, and undervalfarm are carefully returned to the soil, the quantity of this impor-; with all thy heart, and thy neighbour as thyself. A teacher who