COMPARATIVE VALUE OF HAY, VEGETABLES, AND CORN.

I wish briefly to draw the attention of farmers to the value of hay, compared with other crops, for the feeding of stock. An nere of hay yields one ton and a half of vegetable food. An acre of carrots or Swedish turnips, will yield from ten to twenty commonwealth. He says "that a farmer tons; say fifteen tons, which is by no means should produce upon his farm all those supan exaggerated estimate. It has been ascertained by experiment, that three working horses, lifteen and a half hands high consumed at the rate of two hundred and twenty four pounds of hay per week, or five tons one thousand and forty-eight pounds of hay per year, besides twelve gallons of oats each per week, or seventy-eight bushels by the year. An unworked horse consumed at the rate of four and one-quarter tons of hay forget the unpretending and heavy hospitality in the year. The produce, therefore, of of these caviable dwellings. There slept manearly six acres of land is necessary to supsubjects of exact trial.

healthy horse in good condition for work a wiped my face with towels spin with their leept that they are filled with porous earth or sixty bushels, will be timple for the support as transparent and delicate as the drifted tion of the water to every part of the bason of a horse through the year. Let the farmer, snow. In such beautiful examples of domes. These subterraneous collections of water are then, consider whether it be better to main- tie management it is delightful to see with tevidently held in their position by the same tain his horse upon the produce of half an how limited means the best luxures and com-1 means as surface ones; an impervious under acre of carrots, which can be cultivated at forts of life may be purchased. Nor were strata; and like them rise and fall with the an expense not greatly exceeding the ex- these instances few. The county of Berkskire | wet and dry seasons. pense of half an acre of potatoes, or upon half an acre of ruta baga, which can be fort and independence. Much to be regretted commonly used to indicate the point where a raised at less expense than potitoes, or up- will be change, which has already invaded subterraneous stream breaks out upon the suron the grain produced of an acre of Indian many parts of the state, when, under the pre- face; but I use it in a more extended sense, corn, or on the other hand, upon the produce of six acres of his best land in hay and fabries shall give place to the more showy but streams. There are some respects in which grain; for six acres will hardly do more than filmsy products of foreign industry, and the these differ from surface ones, having a serious to yield nearly six tons of hay and seventy-healthy exercise of domestic labor and house-t bearing on the vegetable kingdom. They eight bushels of oats. The same economy hold cares shall be deemed degrading in our thave their immediate source at a considerable eight bushels of oats. The same economy might be as successfully introduced into the feeding of our next cattle and sheep.

These facts deserve the particular aftention of the farmers who are desirous of improving their pecumary condition. It is obvious how much would be gained by the cultivation which is here suggested; how and perhaps a quarter of an acre of carrots. we call this " getting along," in the common gain. The satisfaction of eating bread raised as difficult to be managed. Farming like-bor consumed in their production, if applied life; and what direct influence it exercises wise, can in few situations be successfully in other ways, would purchase a larger advisor, and thus enable us to decide managed, unless the farmer has capital to mount of the same supplies. Though the upon vegetation, and thus enable us to decide managed, unless the farmer has capital to mount of the same supplies. Though the upon the utility of draining, employ, equal at least to one year's manure supply of our own great wants from our own. I am aware that I cannot go into an extendand one year's crops. A large portion of farms might seem, however, in some cases to ed analysis of these propositions, without inour farmers, also, from the nature of their be a pecuniary loss, it is always in the end at truding upon the rights of others, equally enhabits and style of living, are so prosperous moved gain, with which the pecuniary loss is titled to your hearing. I will confine myself, and independent, that they have no occa- not to be put in competition.—Colmon's Sur- therefore, to a single case, and that by way of single extend their collections are the supplied to the supplier of frequent occurrence around good. sion to extend their cultivation beyond what frey. it now is, in order to meet their wants; and to incur all the trouble, vexation, and risk of employing more labor, expending more

the subject, as I propose to take in the re-trospect of the whole survey.—Colman's Survey

DOMESTIC LCONOMY.

In looking over my returns, I was struck with the remark of a man of much practical wisdom, and one of the best farmers in the In his case this is done within doors and without, for there the spinningwheel has not forgotten to turn round, nor the shuttle to speed its flight. In this cottage, whose neat and beautiful arrangements canny a time under a silken canopy, and trodden port a working horse by the year; but half many a carpet as soft as the pride of eastern an acre of carrots, at six hundred bushels luxury could make it; but never with anyof a prince-s need not disdain, and on a cold many respects. It is believed that the value of a bushel of night slept in woolen sheets from their own | Secondly—Subterraneous ponds. These dif-Indian corn in straw and meal will keep a looms as soft as the shawls of Cashinere; and fer but hale from those above the surface, exabounds with examples of this domestic comidleness and frivolities of pride and luxury.

I agree entirely in the sentiment above ex- of the causes which fertilize the surface. pressed, that every farmer should, as far as dependence inspired by such a course is a great | low the influence of the air or surface heat phrase; but we can hardly dignify it with by one's own labor is not small; and various the name of farming. I am aware that la- and important moral influences, which I shall har of a proper kind is in many cases diffi- not now discuss, render it altogether desirable,

DRAINING.

capital, and increasing their cares.

But it is not fair to produce such instances any examples of the profit or unprofitin England and on the continent of Europe, be affected by a leach, as is frequently the ableness of husbandry: when carried on, as These views, however, have been adopted case with such lands. It will be seen that all other branches of husbandry: with reference to a state of those with them:

| The subject white the continent of the water with the subject with the subject with the subject with reference to a state of those with the subject all other branches of business, to be sur- with reference to a state of things with them; this soil, up to the time of putting in the crop, cessful, it must be carried in with intelli- such as the price of land, labor, redundancy of or about that time, has received little or no gence, skill, industry, enterprise; and all capital, and many other considerations, differ- benefit from the influence of spring. The wather capital and all the labor which can be ing so essentially from ours, that their adopter coming from a source below its influence, advantageously employed in it. I will not, their full extent in this country may be and mixing freely with the soil, retains it at linewayer, anticipate such general views of considered of doubtful utility.

I have desired to see this subject thoroughly investigated, with particular reference to our own condition; but if it has been done, it has not fallen under iny observation. With these views, therefore, if my suggestions shall be found to vary somewhat from standard Eng-lish authority. I beg that it may be considered as emanating from a desire rather to suggest inquiries for those better able than myself to examine the subject in this light, than from plies for his family which the farm can be any spirit of controversy with systems which made to yield." In his case this is done with are probably well adapted to the state of are probably well adapted to the state of things in Europe.

Two questions are necessarily involved in the subject; first, its utility; secondly, the mode of effecting it. To do justice to either, not be surpassed, the clothing, the bedding it will be necessary to understand the different and the curpeting were all the product of conditions in which water is found, and the their own fields and flocks. I shall not soon manner in which it affects the soil. So far as forget the unpretending and hearty hospitality in observation has extended, it may, with sufficient accuracy, be classed under the four

following heads:

First-What is usually termed 'surface water.' Under this head I include both standing to the acre, with the addition of chopped thing like the sentiment of hourst pride and water and running streams, when their source straw, while the season for their use lists, independence which I saw here. The floors is beyond the premises affected, as the mode will do it as well it not better. These things spread with carp is made from then own of removing either is nearly the same, although do not admit of doubt. They have been blocks, which for hacness or beauty the foot they may and generally do affect vegetation in

An acre of Indian corn which yields fown hands from their own flan, of a whiteness i a sufficient quantity of it to allow of a circula-

This term has been Thirdly-Springs. tence of superior cheapness, these household (as including all well defined subterraneous hold cares shall be deemed degrading in our have their immediate source at a considerable wives and daughters, and exchanged for the depth in the earth, from whence the water arises, uninfluenced by the air, the sun, or any

Fourthly-For the want of any more defipossible, supply the wants of his family from Inite term to indicate the remaining condition his own farm. He should supply himself in which water appears to the farmer, I shall with bread, meat, vegetables, must, butter, call it a leach. Water is frequently found much more stock would be raised; how cheese and clothing, so far as his farm can be sluggishly leaching out upon sloping lands much the dairy produce might be increased; made to do it. He can almost always do it at a without any defined channel. These leaches and how much the means of curreling the a less expense than he can purchase these are frequently of great extent and depth. This land, and improving the cultivation, would supplies. The labor requisite for this purpose is the worst condition in which water is be constantly extending and accumulating may often be given at times when it would found, whether we consider the extent of its But when we find on a farm of two hundred not otherwise be occupied; and by hands for anyury, or the draft which it makes upon the acres, that the tarmer cultivates only two which there might otherwise be no employ intelligence and patience of the ditcher. Like acres of potatoes, one acre of ruta baga, ment. The sentiment of self-respect and self- springs, they have their immediate source be-

This classification will enable us to look more accumtely at some of the operations of water upon soil; how it affects its vegetating powers; what influence it exercises upon the cult to be procured, and with our habits though in some cases the same amount of la- atmosphere, and through that upon vegetable

illustration, of frequent occurrence among good farmers: a piece of land, which is too wet for early ploughing, but from the surface of which Mesers Garrond & Tucken-I submit to the water will retire so that the crop may be