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AGBROULTURAL.

The following account of a New England farm is taken from Gov. Hills Monthly Visitor. Although the greater part of it is inapplicable to Southern Agriculture, we copy it entire, on account of the example which it sets forth of thrift resulting from industry and systematic management.

Mr. Phinney's farm is situated five miles from Concord, and ten miles from East Cambridge, at which last place being in the office of clerk of the principal business court for that extended and important county, he spends five days in each week, and at the seat of the courts

at Cambridge, Lowell, and Concord is present at all times, during the setting of the court. For the purpose of superintending his farm and his numerous family concerns, he rises, at all seasons of the year, at five o'clock in the morning ; by his own example instructing each and every member of his family (he has rear. ed ten sons and daughters, the youngest of whom is ten years of age) in those habits of industry, care and attention, to which he is personally so well inured. What with the cares and labors of instruc. ting and directing in his tanniv, and lay ing out the occupation of half a doze. hared men, and the severe duties of a very laborious office in the public employment it may be taken for granted that there are few farmers in the ancient Commonwealth who perform a more arduous persocal labor than Mr. Phinney. Mr. Phinney took the cultivation of this farm from his father when it produced annually not much over ton tons of hay. One hundred tons is now its annual product, He then kept a pair of horses, two vokes of oxen, and two or three cows, and was obliged to purchase hay to carry them through the winter. He now has twen. Tysiour fine milch cows, keeps six horses, three or more vokes of oxen, and two to farm inasmuch as the largest and most lu- left at any point above ground, they are twice a week or more to the Boston market, and ten tons of pork annually raised for sale. ally, in the vicinity of land of one pre- ures. vailing character, there is, at no very have a vegetable mould of great depth. Grand operations upon a Peat-Meadow. Passing by this meadow, the traveller sing over it after its burden had been taken off, he would hardly dream of the extent of labor or the excellence of the preparation of this field of several acres in extent. But the plain field, as well as the new orchard which we shall presently notice, has been cleared of hundreds and them are placed beyond the eye or the ken of the stranger : and where are they? In the first place a ditch has been made at the edge of the whole semi-circle of the mendow, on this side, between the soft ground of the meadow and the hard pan of the rising hill, just deep enough to cut off the cold springs, which formerly fed the meadow. This outside ditch is filled at the bottom with rocks large and small, leaving the water room to percolate between them. These are covered with hassocks or tough sward sods, and after-

convenient distances, to the level of the quantity was, from time to time, applied. ducing heaviness, and retarding and pre- being too distant and too expensive to quantity of milk has every where lowest point in the lot. But this has only frequent stirring of the ground. been a part of the underground work which has made of this meadow (out of which, when mowed at the driest season of the year, Mr. P. said he had, when a boy, while poling the hay off, often sunk to the arm pits) a field which will produce the largest crop of hay for the whole life of a man, In the most sunken part of the meadow, Mr. Phinney has caused ditches to be made, of some eight to ten feet in width, extending towards the cen- P. has given a direction to the limbs inter of the meadow from the ditch at the edge. Into these ditches, in the winter, the stones, from the weight of tons to the merest pebble, are drawn while the ground is frozen--filled with the stones to the proper height. The coal black soil of the meadow is dug out so as to form a new ditch, covering the rocks to the depth of twenty inches and more, so that the plough caunot reach them, and raising the surface several inches above its former position. This process has years. been repeated, filling one ditch by the digging of another, until the good part of or ten years from the stone. It is on an acre of ground has been gone over | elevated groun I, with a declination to the with a substratum of stones covered by a

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rich soil, which produces year after year the largest crops of hay. The effect of sixty miles west and northwest. Mr. P. the deposition of rock is the proper drain ng of the whole surface of the meadow within, so that the land is proof against oth wet drought, and the ground may be readily tilled with the plough and hoe, through the process of obstinate freezing as often as it may be deemed expelient | and thawing, which is most of all conduto break up the sward. The low meadow cive to the destruction of the peach land, drained and prepared in this way, is tree. said to be excellent for raising early potatoes for the market. This crop, on that ground fears no drought; the potatoe a view exclusively to the growth and to this place, in the absence of Mr. Phinney, a crop of corn growing, of a great size; and then supposed the meadow was where the indian corn is always raised. In 1840 the corn field was put down to a crop of small grain; and this year, for the first crop, three tons to the acre of the life in the production of the cantelope, best English hay had been taken from one of the sweetest of the melon species. the ground, and a luxuriant second crop The grapes are the kind " christened Isawas now growing. Two or other side of bella," we believe a foreign variety, rethe highway, more recently treated in quiring a longer season than the grape the same manner, last year planted with natural in this part of the country. From otatoes, were this year sowed down to herds' grass in April. The grass sprang at once, so that a great crop of this first rate hay was taken off in July, and another crop was nearly ready for the sevthe. The meadow made thus valuable, (and Mr. P. thinks will yield him an annual income equal to six per cent. upon five hundred dollars to the acre,) was prepared at an expense far less than its real value. three hundred sheep ; and the keeping of The bodies of stone upon the ground in this stock is but a minor business of the the vicinity must be taken somewhere ; crative share of its product is taken away much in the way. Upon this farm, Mr. in the vegetables, roots, and fruits sent P., before he adopted this method had disposed of many thousand tons in the construction of several hundred rods of double wall for fences, until the entire farm We have of late remarked that, gener- was partitioned into convenient enclos-A Splendid Orchard .- In the same en. plains we now and then find swamps in hundred trees, nearly all of which are which are black vegetable mould, clay, or grafted with the Baldwin apple. This marl; ond, in some instances, it has orchard produced last year seven hunbeen discovered that the exchange of dred barrels of picked apples. Mr. P. silex for clay or mould, and clay for sand is of opinion that, if the whole number of or gravel, having wrought wonders in trees had been left standing in the orcultivation. The rough ridges of Lex. chard, the production would have reached ington, in the midst of which Mr. Phin- one thousand barrels. In the severe ney's farm is situated, are interspersed winter of 1832, a portion of the then with hog or peat meadows, some of which young trees, which stood in the rich ground at the lower side of the orchard, was killed, or sn injured as to die afterwards. Mr. P. attributes the destrucwould little suspect the quantity or the tion of trees on that part of the orchard, at quality of the bay which it produces; pas. this time, to the too great fertility of the soil and more rapid growth of the tree; the body of the tree having more sap and circulation upon the rich than upon the less fertile ground. This orchard had also suffered one winter from the drepredations of mice under the snow, the mice gnawing off the bark entirely, just above thousands of tons of stones; and all of where the tree united with the ground. The proprietor had saved the lives of these trees, in almost every instance, by inserting a shoot or scion in three different places around the body of the tree under the bark, both above and below the injuthe bark had been peeled. In this manner the sap was conducted from the roots of the tree upwards, into the body, through the shoots.

lowest meadow; and through a main The growth of the orchard is promoted, venting the progress of vegetation, is car. purchase and bring manure from the sta-

been set in the ground only fifteen years, for production. This matter is well un. fifty. Every one who keeps swine will and were seventeen years from the seed. derstood and practised in Great Britain. realize how great is the quantity of food The bodies of many of them had already It is adding hundreds of thousands to the consumed by a score or two of this voraspread to the size of large apple trees; profits of farming in that country. Mr. some of them had borne several barrels of Phinney, with the philosophy which he vegetable and grain farms will produce fruit in a year. The large body and limbs has applied to other things, seems at once enough to keep in growth so great a numto the size of a man's body and thigh. de- to have stepped into the true process of ber. To keep up the number, Mr. P. renoting their rapid growth, were of the sub-soil ploughing, of which we have the sorted to the Boston market, and frequenyellow sm oth skin of a quick growing evidence before us in the case of this car- thy purchased damaged grain and rice, limb in a well managed nursery. Mr. rot, beet, and petatoe cultivation. stead of the common angle upwards, run- | erable portion of Mr. Phinney's meadow, ning out horizontally from the body; or bay land, is of that heavy kind which, thereby contributing to increase its ca- in a rough country, is to be found at the pacity for bearing and its strength, as foot of hills, where the cold springs either well as the convenience of hand picking o erdow or come n ar the s. r.ace; in the apples from the points of the limbs the hollows which are overflowed by farther from the body. Mr. P. has found continued rains, and upon which the wahis account in the excellent management | ter sometimes long rests; or on the verge of this orchard of twelve acres. It yields of small brooks, in which waters flow a

northwest, looking on the Wachusett and Monadnock, at the distance of forty and thinks this position better calculated to inure the peach tree to the climate than land with a declination towards the south and east, because, during the winter season the orchard will not so often go

Mr. Phinney's peach orchard is cultiva. ted, ploughed, and manured, with vines are free from rust. On this same preservation of the trees. No crop is in adow we saw, at a distance, two raised on, that, with the exception of a the Prouty and Mears plough, adjusting pens, as it is periodically to milk the cow y ars ago, when we made a hasty visit crop of English turnips sown in August, the edges so as to leave no crevice ; pass or to sow and hoe for the crop. which will mature so late in the season as over the ground in the first instance with Mr. Phinney's present number of hogs i to do no injury to the trees. The or- a heavy roller; spread on ten or a dozen about seventy five. He says he cannot chard consists of some three or four acres. loads of compost manure; harrow tie afford to keep a number beyond this, while At the upper extreme is a grapery clinging ground length wise of the furrows; sow Indian corn costs a dollar a bushel, and take the common intervale upon our river, to a trellised frame structure running with herd's grass and clover; harrow or pork sells for only six cents. When nearly the width of the lot. On either brush it in, and roll down close a second pork sold for eight, ten, and twenty conts side of this grapery the ground has been time. In this way the field is left in the to the pound, he did well, even when he cultivated for vines, which had been progrape vines from the sides of his durable double walls. These have spread so as to the acre. to cover the wall, and the ripe clusters of the large native grape hung in a position which invited the passer by to taste and eat. The peach trees of Mr. Phinney's orchard, as are his other fruit trees in other places, are treated with a cover of salt hay laid over the ground within the shade is sown with grain, of obtaining a crop of ey; and in some instances mixed both directly under them. This deposite un- herd's grass in two years, he was able to with another breed from the fir East, doubtedly hasits advantages in protecting cut a large crop of hay in less than three which he calls the Machey. The Mackand perfecting the tree. But Mr. P. is not satisfied with this as the addition to his original apple orchard; he has another consisting of about six hay by irrigaton. The effect of pure wa- the whole ships crew, in the hurricanes of acres, covered with the exception of the ter on grass ground, applied at the proper last March, about the time of the loss of outside row of a kind of apple sent thim a time and in the proper manner, is surpris- the President. This breed of hogs I appily few years since from the nursery of Judge ing to those who would suppose that the blend the mild dispositions, broad backs Buch, in Albany, pleasant as fruit for win- pure element intrinsically has no fertiliz- and full hams of the Berkshire breed, ter use, entirely with engrafted or inocu- ing quality. Mr. P. has ascertained that with the long bodies and deep flanks in lated sweet apples. The progress of land will produce large crops of hay, year which they were deficient, in short, by this last orchard has been surprising in after year, with no other application than the mixture, he obtains a breed which great distance, lanc of an opposite char- closure with this meadow to the south- the last two years. The trees are of flowing in the spring, when fresh water grins and fattens on the smalle t quantity acter, in the intermixture of which an west of the old orchard and upon a de- different ages, some of them having been makes bro ks that become dry a great of food, and which is of sufficient activity extremely sterile may be converted into clivity facing towards the meadow at the transplanted the two last seasons. This part of the summer. He has contrived to perform all the labor which any reason a productive soil. In the midst of arid east, is Mr. Phinney's new orchard of five orchard is upon a rocky, but somewhat to turn a stream of water, issuing from a able man may require of hogs. In the moist side hill, where the original growth pond that is never dry, which soured or admixture of these breeds it is curious to is poplar and white birch. About two a- killed the grass when all flowing in its percieve the red color of the original berkcres of this orchard was cultivated with natural confirmed channel, over an extent shire now and then breaking out in a sincarrots and sugar beets, of which Mr. P. of several acres, by running channels on gle individual of the litter, while others has been in the habit of producing from the brow of the hill so as to overflow or are pure white, some nearly white, some seven hundred to a thousand bushels to leak out on the lower side. Wherever nearly black, and some mixed with spots the acre, to be fed in winter to his sheep this water touches and flows off, the crop of black in a red or white groun i. Mr. and cattle. On these two acres, and in. of hay is much increased. deed over about two thirds of this orchard, grown two years ago, at the rate of sixty There are many places where the water bushels to the acre. The remaining four can be passed over fields, where the proacres this year had a potato crop, we think prietors have never thought of the great a little better than we have seen any advantage resulting, but where a very triwhere else-even the good crop now (Sept. 15) growing green and large upon our own premises. Mr. Phinney is of opinion that the use of a sub-soil plough, especially to the "main chance" of m. not the Deauston plough imported from farmer-the manure heap. Without the England, but one invented by himself. will increase the crop of carrots, beets, and potatoes nearly one-half. His sub- farm, which he owns and occupies, to its soil plough is a large and heavy wooden instrument, in the shape of the Cultivator. It has three large iron bolts at the centre, running all the distance, say of eighteen inches, one behind the other. These bolts, an inch and a half or more in such as are profitable for their fruits. If diameter, and eight or ten inches clear below the wood, are stump footed at the they are all intended for the food of man red part, and binding a cloth girdle so bottom, pointed so as to perforate the as to cover the whole of the tree where ground. This stump footed half harrow, sues the laborious business of farming, as half cultivator, drawn by a team of three well to gratify the pride of the eye, as to heavy yokes of oxen, follows the plough be able to realize that there is profit in the in the same furrow, and roots into the occupation; and we cannot doubt that he sub-soil, some two, three, or more inches, according to the hardness or softness of tion, notwithstanding he does everything the ground upon which the prongs operate Sub-soil ploughing is but of recent depends on the faith inlness of his work- market; the income of the twenty-four bonor is due, it is not worth while to up

Success of Under-draining .- A consid-

By continued improvements of this kind, Mr. Phinney has been able to in-

ditch the whole water is carried off to the lowest point in the lot. But this has only frequent stirring of the ground. The trees of the young orchard had wonderfully to the capacity of the land average number was one hundred and cious animal-that few of the largest the refuse ship bread from returned voy. ages, and other material to be found in the city. Boxes of damaged raisins, with other injured imported fruits, were some-times converted into thanksgiving food closure with his orchards and fruit trees for the grunters. All the time the brutes he never suffers cattle to come at all. were made workers for the benefit of the The present summer, from the severe farm. His swamps and low grounds drought, he was obliged to turn his have furnished abundant material for the hog pen; loads of black mud or muck are constantly lying on the ou side, to be large stock which he keeps it might l him the income of a capital of ten thou- part of the year. Mr. P. attempted to thrown in and worked over by the nose of sand dollars, and will undoubtedly in- remedy the evil of too much water upon the hog as fast as it may be profitably ad in the production of fer crease in value for several successive years. Mr. Phinney's peach orchard is eight or ten years from the stone. It is on elevated groun I, with a declination to the whole surface of the land from contrac-the surface, by ridging the ground at in-tervals, so the water might soak or run off in the hollows. This had a good effect or ten years from the stone. It is on elevated groun I, with a declination to the whole surface of the land from contrac-the surface, by ridging the ground at in-tervals, so the water might soak or run off in the hollows. This had a good effect or ten years from the stone. It is on elevated groun I, with a declination to the whole surface of the land from contrac-the daily collections in the winter of the the barn years the may be promably at is thus worked, is is generally carried to mixed with the droppings of the cattle, or the daily collections in the winter of the the barn years the may be promably at is thus worked, is is generally carried to mixed with the droppings of the cattle, or the daily collections in the winter of the the barn years the may be promably at is thus worked, is is generally carried to mixed with the droppings of the cattle, or the daily collections in the winter of the the barn years the may be promably at is thus worked, is is generally carried to mixed with the droppings of the cattle, or the daily collections in the winter of the the barn years the may be promable of the land to great ting a closeness and hardness, which re-quired much new labor for its restoration. in mass fit to be applied in the spring of to yield the feed annually obtained trained to Mr. P. has introduced, in the place of the year to every growing crop. The four acres. Alternate ploughing a this process, under-draining, as the most well-arranged barns on these premises are cultivation with manure, laying down effectual method of giving fertility to the soil, and, at the same time, forever, dispo sing of the large amount of surplus stones that abound upon his farm. By continued, two well-arranged barns on these premises are passes underneath into cellars where every thing is saved. The hogs are gen-erally kept in small pens, with two apart-would soon make the farm of filly acres ments, one for the mud, and the other as a place to rest upon a dry floor. They crease his crop of hay four-fold. He work, for the most part, either singly o gets a great quantity on a small space of in pains; and it seems to be a part of ground. On the kind of land natural to their daily business to root and champ the the production of hay, his practice has fresh black mud that is thrown to them. been, for several years, to invert the sward And it is as much the business of the

lesseped. Mr. P. has several fine Dur. and almost the size of the ox. Filege he thinks not to be adapted to the common New England pastures; they want luxua-riant grass fields and high feeding to susfain them. He had cows of the ma-tive breed, which he escended better than the Durham cows; but he had an imported Ayrshire cow which was the mo profitable milker of his whole finck. Mr. Phinney avoids, as much as po-ble, the range of cattle upon his ha grounds. He thinks the feeding of mead dows to be highly injurious to the su since the hay was taken off, into on supposed that his pastures were abund in the production of feed. He has pa a source of greater profit then the ordina-ry farm of two hundred acres.

From the Connecticut Farmer's Gazette. DURHAMS AS MILKERS.

In the January number of the New Genesee Furmer, which has just come been, for several years, to invert the sward And it is as much the business of the Genesee Parmer, which may just came to the business of the Genesee Parmer, which may just came with workmen to supply and take out of the pens, as it is periodically to milk the cow the edges so as to leave no crevice; pass over the ground in the first instance with a heavy roller; spread on ten or a dozen which is now the save the connot the save he connot the sav in press in Boston. Mr. Colman, it will be recollected, has for several years filled the important office of Agricultural Commissioner, and the Report is an official document. of milk vielded by Durhan had the advantage of some of th pastures in the United States, we a gl.d of an opportunity to lay before of readers some particulars relating to same breed of cattle nearer home. Colman gives a particular account o milking properties of Durham Cows & by ten different individuals, in differe purts of Mussuchusetts and Connecticut -from which we have selected the fol lowing as affording to our farmers a fait change to estimate the value of these cows when kept on the "short pastures" in the immediate vicinity of this city. 7. Wm. K. Townsend, of East Hu. ven, Connecticut, had eighteen cows of the Durham Short-Horns, full, blooded or in part, which were kept for appulying milk to the city of New Haven. These in milk, gave a daily average of 110 quarts, besides the milk and butter used in the family. It will be at once perceiv. ed how indefinite this account is, though given by the int ligent committee of the New Haven Agricultural Society. W re at a loss to know how many c vere in milk at a time, whether all pa to dy, and lo v much butter and milk was used in the family. The family, it is said in another place, was large. I have had the pleasure of soung this remarkably beautiful stock. Their appearance was in the highest degree favorable to their character and keeping. The average return of milk, as above, was 6 2.9 quarts per day, exclusive of the 8. I subjoin an extract of a letter from one of the most intelligent and public, spirited farmers in New England, Henry, Whitney, of New Haven, giving an ac-count of his Linproved Short Horn stock. Perfect reliance may be placed on it, and: has a large yard in which from twenty it will be read with much interest. Mr. to fifty hogs. of the different sizes and ages, from the green Berkshire boar of culture and gardening his liberal expension eight hundred to the smallest squeaker, ditures in his importations, with a view to congregate and work together, up to their improve our live stock, and the intellig bellies, in the mud and other material and effoctual aid which he is rendering look at his trees for ornament, they are with which they are constantly kept sup. the great cause of an improved husband such as are profitable for their fruits. If plied. Improved Breeds of Animals .- To im. agricultural community. Many men proved breeds of animals, Mr. Phinney like the spindles in a factory, which make has been in the habit of paying fancy a great deal of buzzing and racket, yet prices, (hundred of dollars for a bull or perform a very humble part. Mr. When cow,) and still higher prices for the bet. ney, without noise or ostentation, a cei. He a Morgan mare, which had been bought turns the spindles, which the little things, with their heads always erect, imagin that they fly round of their own

The new orchard covered a space of ten acres. This ground had from year to year been cultivated more with a view

months from the time of sowing.

Irrigation in the country seems to be fling expense, judiciously, applied, would much increase the crop of hay and grass. Mr. Phinney has for years had an eye aid of large quantities of manure, he could never have brought the splendid present production. Although he may be styled a fancy farmer, in all cases, he scems to have consulted rather utility than the mere gratification of the eye. If we we turn to his splendid garden crops, and beast, or for the market. He pur-

does realize a living profit in the occupa-

smoothest condition. The unmoved had to purchase a portion of food for the three pages in the Farmer, and is a sward at the bottom has a fine effect up- keeping, to keep as high as the number devoted to an examination of the on the subsequent annual crops, mak- of one hundred and fifty. He has accu. of several families of simproved? ing the grass hold on much longer than if inulated, by their means, as many as five and a comparison of their milking i it had been stocked down in the usual hundred full loads of the best manure in ties. We have not room for the way. Mr. P. had one field put down in a year; and he has made sales of pork to extract, but as we have occasionally this way, which, without other prepara- the amount of between two and three lished notices of extraordinary time to time he has stuck down the native tions, had continued to produce, for five thousand dollars in a season. By great years in succession, full two tons of hay attention and expense he has succeeded in rearing a breed of hogs, we think a little

The method of stocking down to grass better than that of our friends, the Sha first, after a crop of corn and potatoes is, kers, at Canterbury. flis whole herd of found to be the best in the drained swine are of the Berkshire blood of the grounds. Mr. Phinney sowed berd's latest and best importations. He has grass in April upon about two acres, and, engrafted this blood upon another imporinstead of the long process when the seed ted breed, which he has named the Mackey breed he obtained from a ship captain

The unevenness of Mr. Phinney's farm of that name, well known as sailing out enables him much to increase his crop of of Boston, who went to the bottom, with

Phinney, within the last six or eight years, has furnished many breeders to be sent corn, of the kind called Phinney corn, was but little understood and practised. into different parts of the country. For these he has received prices in pairs, when young, from ten to twenty, and more dollars. Persons who have obtained this breed of hogs, at a cost when brought required quantity. home as high as thirty dollars the pair, bave found themselves the ultimate gain. ers; as the lessened expense of keeping, and the better of the improved breed would in a short time compensate all. Besides the confined pens, Mr Phinney

> ter breed of horses. In his pasture was with the force of a power a and sold as high as \$500. Mr. Phianey has a herd of fine cows,

practice, even in England, whence it was men, when much of the time he is absent cows from the spare milk is from five to deceive them. They perform their part

