

Agricultural.

For the Oxford Democrat.
"A Few Fixed Facts."

FEBRUARY, Jan. 6, 1874.

We noticed in the *Farmer* a few weeks ago and more recently in the *Democrat*, the Cornish, Me., Correspondent's "A Few Fixed Facts." I would inquire of him through the *Democrat* to give some philosophical reasons upon which he lays down said facts. Would he cut hay the first day of June or the last? Is it the practice of Maine farmers to cut hay in June? Not at all! Nor can it be done to the pecuniary advantage of the farmer. He evidently does not know what he is talking about, when he would discard the use of barn cellars. One load of manure taken from the cellar in the spring will produce as much hay or crops of any kind as two from the yard. We have at our farm the first constructed stable with manure hold under the tie up in the County if not in the State, that is James Walker's, and the years of experience in the matter, fully convince, that the old manner is not to be adopted again by us. We will not discuss these matters, hoping some man who "knows" will.

C. H. W.

Grass vs. Corn Fodder.

At the meeting of the State Board of Agriculture last winter, at Barre, Mr. Harris Lewis of Herkimer County, while speaking on the subject of feeding cows, said he was not partial to green corn fodder for bridging over a dry spell in summer. He tried it several years ago, and then concluded to let the cows go to grass. His practice is to take an acre of his best land near the barn, plough in the summer or early fall and manure it very heavily, then sow three bushels of orchard grass seed in August, and the next year cut four crops of hay, each two feet high. If he can do that, it is no wonder that he does not think much of corn fodder.

Our practice has been to grow corn fodder; first, because we have not enough pasture for a quarter of the stock we wish to keep, and second, because we supposed we could raise more food from an acre, in a large growing kind of corn, than in anything else we could put it to. We do not believe all the big stories we see in the papers about keeping fifty cows all summer on three acres of corn, and then having a lot left to cure for winter use, but we do believe that many more animals can be kept on ten acres of corn fodder than on ten acres of pasture, and that, by the sowing system, a farm can be brought up quicker and kept in a much higher state of productivity, than by following the old pasturing system; but we are inclined to the opinion that, as the cultivation of the different kinds of grasses becomes better understood by farmers, less corn and more grass will be grown for summer feeding.

It is a serious objection to corn growing, that, on good land, highly manured, it is so apt to blow down or lodge, if a heavy rain or wind comes on while it is growing. Oftentimes it will lodge before it is half grown, and not get up again, but rot on the ground. We suffered considerable loss in that way on our own crop, this season. One of the plantings blew down when about three feet high, then after a few days, when much of it had righted up, a wind from the opposite direction blew it the other way, making twice the labor to harvest it and diminishing the crop fully half in both quantity and quality. We do not consider immature, lodged corn, worth binding and curing for winter use. For winter curing, it should be planted early in the spring, when it will grow stronger and stand up better. It is the late plantings, growing so fast during the warm summer weather, which are most liable to lodge. We are obliged to soil almost exclusively. Our cows run in the pasture from the middle of June till the last of July. After that time there is no more feed in the pasture than is needed by the calves and young stock, which need more exercise than milk cows.

The cows are then put up in the barn and fed principally on green corn for two months, and in rainy weather plenty of good hay, and some hay every few days, all the time we are feeding corn fodder.

We do not keep the cows on the pasture till the feed is all gone and the cows starving, but take them off while in full flow, and our experience is that they do not give as much butter as they would on the best of pasture feed. But they do a great deal better than they would if they were left in the pasture a few weeks longer, when they would actually begin to starve, unless fed morning and night at the barn. At the end of the corn fodder season, the rows have been secured, and we feed that principally as long as it lasts sometimes several months. And since our rows have been largely made up of orchard grass, we notice a decided improvement in the yield of milk and butter, after leaving corn fodder and beginning on the rowen. The cows fill themselves better, eat their rations cleaner and drink more water after the corn is gone than before.

We are not opposed to corn fodder, but think it is often the best substitute for pasture feed the farmer can raise. This is especially so on thin sandy land that is much better adapted to raising grain than grass. Grass land and corn land are entirely different, and do not always lie on the same farm.

We expect Mr. Lewis has as good grass land as lies out of doors, and under such circumstances it is not strange that he prefers to let his cows go to grass, rather than raise corn fodder for them.

For sowing purposes, there is as much difference between different varieties of grass as there is between different kinds of corn, and we should choose for sowing those grasses that will produce a large crop of good feed, and will bear repeated cuttings and high culture and manuring. Mr. Harris' rule for manuring his orchard grass, for four cuttings a year, each two feet high, is to put on a great deal of manure, and, when you think you have put

on enough, put on a little more. It is one small advantage that grass growing has over corn growing, that, if a surplus is produced, the grass can be cut with a machine, and cured in one or two days, and put away in the barn, where it will give no more trouble till needed, and, if cut at the right time and properly cured, it will be worth about as much dry as green; while a surplus of corn fodder must be cut by hand, bound and stacked by hand, or hung over some stone wall or rail fence for several weeks to cure, through the storms and winds of our changeable autumn weather. To us, the caring of an acre or two of heavy corn fodder looks like a long, hard and uncertain job; while we take hold of a half dozen acres of fine, heavy rowen, with a cheerful heart.—*New England Farmer.*

Barns and Barn Cellars.

I would say to B. F. M. of Hope, by all means have a cellar under his new barn, notwithstanding the "Fixed Facts." Build your barn 42 feet wide instead of 40; so that your tie up may be 12 feet wide. This will give you ample room to get behind your oxen, round off bedding, also to hitch calves behind the cows. The cost will not be very much more and you will never regret it. Have the cellar under the entire building. The room you get here will be very convenient for the storage of all kinds of tools in the season when they are not in use. Wheel carriages will last three times as long if allowed to stand upon the floor rather than the ground. Have 12 feet parted off under the tie up which will be plenty wide to pass in the cart for taking out the manure. Have no drainage pipe from the cellar; arrange to have the center of the manure hold a little the lowest, that liquids may run that are not absorbed by the manure. Many loads of good manure can be made during the summer by carting in top soil, loam, muck, &c., into this depression. Relative to covering barn, I would use good square edged boards and shingle the walls; around the cattle apartment, double board and shingle, no question arises as to durability without paint. The expense of keeping a clap boarded barn painted for fifty years, is not a small bill. Now it is not reasonable that a load of manure taken from a cellar is more valuable than one thrown out of the stable window, drenched by rain and the best part washed off in a brook, or where it is not wanted. My father (James Walker) built the first barn in this county, under which a cellar was constructed; and the many years of experience with the use of it has convinced us that it is not a "nuisance."

FEBRUARY, C. P. WALKER.

Winter and Spring Wheat.

The distinction between winter and spring wheat is a difference in the time of sowing, and not in variety. Any spring wheat can be changed into winter, or winter into spring, merely by gradually changing the time in which it is sown. By gradually sowing spring wheat earlier every season, in a few years it can be sown in the fall, and be winter wheat. Or just before the close of winter, sow winter wheat and let it germinate slightly, then let it freeze up till next spring, and the next year it can be successfully sown in the spring. And as it is universally conceded that winter wheat is better than spring wheat, it is a natural conclusion that the sooner wheat can be safely sown in the spring the nearer will it attain to the quality of winter wheat. The difference between red and white wheat is not in variety, but is owing chiefly to the variety of soil on which it is grown.

It is said that the hard wheats are a natives of warm climates, such as Italy, Sicily and Barbary. The soft wheats are from more northern climates, such as England, Russia, Belgium, Denmark and Sweden. There is, however, one exception to this general rule, as the celebrated Polish wheat is hard; and from this reason it has been concluded that it was not a native of Poland, but was introduced there from a milder climate. The English atmosphere is so humid that it is impossible for it to ripen any wheat hard, but in many cases it requires artificial heat to harden it before it can be ground into flour. Different soils and climates materially change the nature and variety of wheat.—*Agricultural Report.*

Large and Small Farms.

There are some arguments of general application in favor of the cultivation of land in large tracts of farms. Probably the most plausible argument is the greater economy with which one man of intelligence, who has a sufficiency of capital, can cultivate and control all business necessarily connected with a large farm. Large farms are better adapted to the use of labor saving machinery, as in plowing and seeding a gang plow may be used instead of the single plow which is only adapted to small fields. In the use of the three gang plow six horses and one man can plow more acres of land in a month's time than three men and six horses with single plows can, and thus the wages and board of two men are saved. If three men, with three plows, can plow on an average of four and a half acres a day in small fields, where the bouts are short and a good deal of time is consumed in turning around, then one man with a three gang plow and the same number of horses, in a large field, where the bouts are long, will average five acres a day. Then in a month of twenty six working days the gang plow will plow thirteen acres more of land than the three single plows, at an expense less than that necessary to run the three single plow. By this reason it is proved that the larger farmer, with his three gang plow, can plow 130 acres of land for \$80 less than it will cost the small farmer to plow 117 acres.

—Last Sunday afternoon a very difficult and dangerous surgical operation was performed upon Mr. James E. McKown, by Dr. Green of Portland, at the residence

of Mr. T. Whitten, in this town. It will be remembered that Mr. McKown was stabbed last August in the left buttock by Isaiah Welch, and a large artery wound. The wound healed externally, but the artery did not heal, leaving a large pulsating tumor which, as his physician testified in court, was liable to burst and that he would bleed to death in a few moments. The tumor grew so rapidly that it was considered absolutely necessary to have the artery cut down upon and tied. As this was an operation of the greatest magnitude and danger, the noted surgeon from Portland was sent for to perform it, and physicians in the County were invited to be present, fourteen of whom were in attendance, beside several out of the County. The patient was put under ether, the operation lasting two hours. The bleeding was fearful, but at last the artery was secured, though not in the precise manner it was at first intended it was the best it could be done under the circumstances. The patient was comfortable at last accounts, and hopes are entertained of his perfect recovery.—*Farmington Chronicle*, Jan. 29th.

CATARRH!

A Woman Having Catarrh 30 Years, Cured.

A Drooping in Throat, Choking, Strangling Pains in the Sides, Loins, Headache, Dizziness and General Debility. Cured by less than Three Bottles of the

CONSTITUTIONAL

Catarrh Remedy.

To Messrs. LITTLEFIELD & CO., Proprietors of

Constitutional Catarrh Remedy, Manchester, N. H.

I am 55 years old, have had Catarrh ever since I was 25 years old, and am a native of Maine. I have had Catarrh twenty five years, ever since I was 30 years old; but I did not know it until I was 30 years old, and it was not until I was 30 years old that I began to feel the effects of it. I have had it in the throat, in the lungs, in the stomach, in the bowels, in the bladder, in the kidneys, in the liver, in the spleen, in the pancreas, in the gall bladder, in the uterus, in the ovaries, in the vagina, in the rectum, in the anus, in the skin, in the hair, in the nails, in the teeth, in the eyes, in the ears, in the nose, in the mouth, in the throat, in the lungs, in the stomach, in the bowels, in the bladder, in the kidneys, in the liver, in the spleen, in the pancreas, in the gall bladder, in the uterus, in the ovaries, in the vagina, in the rectum, in the anus, in the skin, in the hair, in the nails, in the teeth, in the eyes, in the ears, in the nose, in the mouth, in the throat, in the lungs, in the stomach, in the bowels, in the bladder, in the kidneys, in the liver, in the spleen, in the pancreas, in the gall bladder, in the uterus, in the ovaries, in the vagina, in the rectum, in the anus, in the skin, in the hair, in the nails, in the teeth, in the eyes, in the 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