

## AGRICULTURAL.

### FAST AND SLOW MILKING.

It is generally understood that fast milking has the advantage of securing more milk than slow milking. But we are not aware of any scientific experiments to determine the fact. Mr. Ralph Allen, of Delavan, Ill., however, gives to the "Jersey Bulletin" a little experience that well illustrates the difference. His boy was learning to milk, and took two and a half times more time than a fast milker, who got from the cow at each milking, 9 to 12 pounds of milk. The boy could get only 7 to 9 pounds. The evidence in favor of fast milking was pretty conclusive—provided the time in milking was all the difference that affected the flow. The fast milker may have been more agreeable to the cow, and his manner of milking may have been more agreeable. The bungling of the boy may have been positively annoying to the cow. This would affect her "giving down," as it is called. It may have quite as much to do with the variation in the yield as the difference in time of drawing the milk had. You must please the cow if you want her to do her best. More or less milk is secreted during milking—as saliva is secreted during eating. If the cow is annoyed, it checks the secretion of milk; if pleased, it stimulates it. For these reasons, it is important to have fast milkers who are good natured and agreeable to the cows.

### FATTENING CHICKS.

Several recommended the practice of confining chickens in a coop and fattening them. For market purposes it is necessary. Some people like to have fowls very fat; these will have recourse to fattening but we consider a chicken allowed to run over a quiet lawn, well fed on good food fit for table, perfection, and, like turkeys similarly treated, they are usually fat enough. To those who wish to confine their chickens and fatten, we say: Be sure to have them well fed from the very first, so that they will have plenty of flesh on them before they are put up. Put them in a nice clean coop, so constructed that each bird, or at most each pair of birds, will have a separate apartment. Attend to the ordinary rules of health, keep them scrupulously clean, give a little grit and almost no grain, as their digestive organs will not be in a proper state to digest it. It is a good plan to feed on oatmeal, Indian meal and rice meal. Some like buckwheat. We like to mix whatever meal is given with warm milk, and give the food warm. They cannot be confined more than three weeks. For the first week they fail, then they improve for the next two weeks, after which they again decline, and would continue to fail till death would ensue from enlarged liver or bowel derangement. Great care must be taken that their coops are very clean, for if neglected, their flesh will have a most offensive taste when it comes to table.

### APPLYING WOOD ASHES.

Leached wood ashes contain about 5 per cent of phosphoric acid and 2 1/2 per cent of potash—two valuable fertilizers for a number of crops—and about 24 per cent of lime, which, when applied to the soil, has the effect of rendering available plant food that is already in the soil. On land that has been cropped until at least some of the elements of plant food have decreased, so that full average crops cannot be made, wood ashes are worth all the way from fifteen to twenty-five cents per bushel.

They can be applied to nearly all kinds of fruit with profit. With potatoes they are especially valuable, either applied in the hill or scattered broadcast and worked well into the soil. Onions are another crop that can in many cases be largely benefited by an application of wood ashes.

If applied in the orchard, a good plan is to stir the soil thoroughly and then apply broadcast and work well in. The soil can be stirred as far out as the branches extend. With onions one of the best plans of applying is to prepare the soil in a good tilth ready for the seed or buttons, and then scatter the ashes as evenly as possible over the surface, and then, with a good rake, work well into the soil; then mark out the rows and plant; or the seed can be planted and then the ashes scattered over the surface; the necessary cultivation will work sufficiently into the soil. The roots of the onion grow very near the surface and their is no necessity for working the fertilizer deep into the soil.

When there is a good supply of ashes they can be applied broadcast for potatoes, working well into the soil. Very good results can also be obtained by applying in the hill. Mark out the rows the proper distance apart and then put a small quantity of ashes where each hill is to grow; eighteen inches apart in the row is a good distance. Stir into the soil well, and then plant the seed and cover. This places the fertilizer in a position where it can be readily reached by the roots of the plants. It is not a good plan to have the ashes come in direct contact with the tubers; hence good care should be taken to incorporate well with the soil before planting.

As a soil aid to make a stiff soil more friable, and can be profitably used with nearly all garden or truck crops.

### THE SILO.

The intelligent observer must acknowledge, if he is a man open to conviction, that the use of the silo is rapidly extending. That the men who are loudest in its praise are not wealthy gentlemen whose farms are managed by a foreman for the owner's amusement; but are hard-working farmers who have earned their money by rigid economy and hard labor.

It is idle for such theorists as Prof. J. W. Sanborn to assert that ensilage wastes some 33 per cent. in the silo. Such waste, if it occurs, only proves gross carelessness or incompetence in the man in charge; the fact is that ensilage handled with good, ordinary care wastes very little, less than 5 per cent., and that this waste is far more than compensated by the great convenience which the silo affords in its being able to cut and save the corn, clover or any other forage crop, such as late barley or rowen, without regard to the weather, which is apt to be very uncertain in the autumn.

Then how comfortable and safe a farmer feels, when his winter supply of fodder is all snugly stored where it will keep without risk and is ready for feeding whenever wanted.

The cheap silos made of two thicknesses of matched boards with tarred paper between are giving good satisfaction thus far; time

only will prove how long they will last, and whether it will be cheaper in the long run to build of wood or of masonry. If the wooden silo will last ten years it will no doubt be preferred to masonry.

Wooden silos built of cheap rough lumber holding 100 to 200 tons cost about 60 to 75 cents per ton capacity.

If built inside a barn the expense need not be over 50 cents per ton capacity. Corn has been and will continue to be the favorite crop for ensilage in this country. It suits our soil and climate and its magnificent yield of fifteen to twenty tons per acre is not approached by any other crop. But clover is a crop which is a sort of chemical supplement for corn, that is the two when fed together form a nearly complete ration, and we believe that farmers will in the near future find their account in growing clover as well as corn for ensilage. One of the chief obstacles to the increase of clover growing is the great difficulty of curing it in a wet season—especially the second crop. The silo removes at once this difficulty and makes it an easy and safe crop to grow.

Perhaps late grown barley may also prove useful for a silage crop to be cut in October, but of this we do not feel so sure, experience is needed to prove its value.—[Mass. Ploughman.]

### START THE COMPOST HEAP.

Next month will be found the best time of the year for starting a fresh supply of manure. We should get together the materials and lay the foundation for a heavy crop, to be used in our farming operations this year. I am satisfied that if absorbents were provided for the yard, stables, barns and pens, the supply of manure upon the average farm might be doubled in quality, in value, and also greatly increased in quantity. Without these absorbents the most valuable portion of farm manure goes to waste. Of course there is considerable labor involved in this work, but the recompense in the way of increased yields is also ample. How to increase the supply of fertilizers on the farm is getting to be the absorbing question in American agriculture. The sooner we face the question in the field of practical work, the sooner we will master the situation, and render ourselves independent of the dealer in manufactured fertilizers. There is a great deal of random talk about increasing the stock on the farm, thereby making a greater quantity of manure. The amount of stock produced upon the farm. There can be no economy or profit in keeping twenty head of cattle through the winter when fifteen will easily consume the amount of fodder produced.

No; we must aim rather to save what we do make. If we provide shelter and absorbents for our stable manures, we can save a third or half there, and then we can add immensely to the value of the manure crop by keeping a compost constantly in full blast. To do this properly, some preparation must be made in the fall by providing suitable absorbents.

Muck, if well cured, is no doubt the best, but if this is not at hand, dry earth is good, and there is little excuse for not providing it in liberal quantities for use at all times. It might be stored in a small shed adjoining the henney, where much of it should be used. Once a week it should be sprinkled under the roots, and after accumulating there to a depth of a few inches, it should be removed to the compost heap. Nearly the same treatment may be adopted for the pig-gery; for there, too, is an enormous waste each year. A supply should also be provided convenient to the privy, where it should be used liberally and often. Decaying vegetables will help to swell the heap, and had much better be there than in the cellar. In summer waste slops should also be conveyed there, where its purities will be absorbed. This heap should be kept under shelter, and enough space given so that it can be worked over occasionally. Look well to the compost heap, brother farmer, for there's millions in it.—[W. D. B., in the Epitomist.]

### Study of Nature.

Horticulture offers a field in which many lessons of value in the future may be taught. In the garden we can not only teach our boys and girls how to grow fruits, flowers and vegetables, but we may lay the foundation of knowledge and a thirst for more, which may prove of estimable value in later years. Study of Nature leads to the development of knowledge. Youth seeks to know the why and whereof of what is going on around us, and as we learn the glories and beauties of Nature we become better fitted to perform our life work, whatever that may be.—[American Garden.]

### The Coming Comet.

It is fancied by a grateful patron that the next comet will appear in the form of a huge bottle, having "Golden Medical Discovery" inscribed upon it in bold characters. Whether this conceit and high compliment will be verified, remains to be seen, but Dr. Pierce will continue to send forth that wonderful vegetable compound, and potent eradicator of disease. It has no equal in medicinal and health-giving properties, for imparting vigor and tone to the liver and kidneys in purifying the blood and through it cleansing and renewing the whole system. For scrofulous humors, and consumption, or lung scrofula, in its early stages, it is a positive specific. Druggists.

A letter containing \$90,000 was stolen in transit between Pesth and Vienna. It was "the letter that never came."

### A General Tie-up

of all the means of public conveyance in a large city, even for a few hours, during a strike of the employees, means a general paralyzing of trade and industry for the time being, and is attended with an enormous aggregate loss to the community. How much more serious to the individual is the general tie-up of his system, known as constipation, and due to the strike of the most important organs for more prudent treatment and better care. If too long neglected a torpid or sluggish liver will produce serious forms of kidney and liver diseases, malarial trouble and chronic dyspepsia. Dr. Pierce's Pleasant Purgative Pellets are a preventive and cure of these disorders. They are prompt, sure and effective, pleasant to take, and positively harmless.

It is true economy to buy soap for the laundry by the box. Not only do you get more for your money, but you have a chance to dry out the bars and so make them last twice as long. Place one on the other (on their sides, leaving open spaces between) in a dry place and let harden.

### Woman's Work.

There is no end to the tasks which daily confront the good housewife. To be a successful housekeeper, the first requisite is good health. How can a woman contend against the trials and worries of housekeeping if she is suffering from those distressing irregularities, ailments and weaknesses peculiar to her sex? Dr. Pierce's Favorite Prescription is adapted for these disorders. The only remedy sold by druggists, under a positive guarantee from the manufacturers. Satisfaction guaranteed in every case, or money refunded. See printed guarantee on bottle wrapper.

An old lady was made to cry bitterly the other day because some had boys stoned her cats. She said they hurt her felines.

Only truth is consistent with itself. He who tells a lie has all nature opposed to him; for nature is truthful, and its disclosures are in the direction of truth.

### All Men.

young, old, or middle-aged, who find themselves nervous, weak an exhausted, who are broken down from excess or overwork, resulting in many of the following symptoms: Mental depression, premature old age, loss of vitality, loss of memory, bad dreams, dimness of sight, palpitation of the heart, emissions, lack of energy, pain in the kidneys, headache, pimples on the face or body, itching or peculiar sensation about the scrotum, wasting of the organs, dizziness, specks before the eyes, twitching of the muscles, eye lids and elsewhere, bashfulness, deposits in the urine, loss of will power, tenderness of the scalp and spine, weak and flabby muscles, desire to sleep, failure to be rested by sleep, constipation, dullness of hearing, loss of voice, desire for solitude, excitability of temper, sunken eyes surrounded with LEADEN CIRCLES, oily looking skin, etc., are all symptoms of nervous debility that lead to insanity and death unless cured. The spring or vital force having lost its tension very function wanes in consequence. Those who through abuse committed in ignorance may be permanently cured. Send your address for book on all diseases peculiar to man. Address M. V. LUBON, 50 Front St. E., Toronto, Ont. Books sent free sealed.

Heart disease, the symptoms of which are faint spells, purple lips, numbness, palpitation, skip beats, hot flushes, rush of blood to the head, dull pain in the heart with beats strong, rapid and irregular, the second heart beat quicker than the first, pain about the breast bone, etc., can positively be cured. No cure, no pay. Send for book. Address M. V. LUBON, 50 Front Street East, Toronto, Ont.

A proposal has been made to erect a monument to the memory of Searle, to be placed on the Brothers Point, at the finish of the champagne course on the Paramatta river.

Nothing more impairs authority than a too frequent or indiscreet use of it. If thunder itself was to be continual, it would excite no more terror than the noise of a mill.

A. P. 491.

I took Cold,  
I took Sick,  
I TOOK

# SCOTT'S EMULSION

RESULT:  
I take My Meals,  
I take My Rest,  
AND I AM VIGOROUS ENOUGH TO TAKE ANYTHING I CAN LAY MY HANDS ON;  
getting fat too, for Scott's Emulsion of Pure Cod Liver Oil and Hypophosphites of Lime and Soda NOT ONLY CURED MY Incipient Consumption BUT BUILT ME UP, AND IS NOW PUTTING

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Participating Policy Holders are entitled to not less than 90 per cent. of the profits earned in the class, and for the past seven years have actually received 95 per cent. of the profits so earned.

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