

Farm Notes.

Peas have already been planted in some sections of the country around Philadelphia for an early supply.

Now is the time, before the plants begin to start off, to apply potash and superphosphate to the strawberry plants. The nitrates can go on a little later.

A crop of early peas may be gotten out of the way in time to allow of a later crop of the same kind, or the peas may be followed by cabbage, potatoes, turnips or beans.

The best way to dispose of coal ashes is to use them on the walkways and paths. They soon make a hard surface. For filling up of holes on the road they are excellent, and it will pay to collect them for such use.

In all Michigan it is found that pasturing of the first growth of red clover, is the best preparation for a crop of seed. It is pastured off close until the 10th or 15th of June and then allowed to produce a crop of seed.

If the lawn is thin give it an application of wood ashes and finely-ground bone. Seed it with blue grass and white clover, or try the lawn grass mixtures. About the middle of April give an application of nitrate of soda or sulphate of ammonia.

In the central latitudes the crape myrtle, one of the most beautiful of late summer blooming shrubs, is quite hardy. What this and many other partly tender plants require is protection for a year or two in winter until they become large; afterward they need no protection.

Do not turn the stock on the pasture too soon. Give the grass an opportunity to get a start and make growth. The feet of the animals do damage, and sheep graze very close to the ground. The pasture will be more serviceable by allowing the grass an opportunity to grow.

The late-flowering wild azalea, taken from the woods in spring, pruned in and well mulched for the summer flourishes well in any good garden situation. It blooms in June and July, and is the most sweet-scented of them all. The blossoms are white, and stay out in their beauty a long time.

Mixed food always gives better results than a single diet. Corn is the staple food for nearly all classes of stock, but corn is deficient in lime, and is not suitable for growing stock unless fed in connection with some other kinds of foods. Mixed food affords a variety, and is consequently more highly relished.

Seed should be covered. It is true that clover seed, sown on the surface of the ground, grows and makes a good stand sometimes, but it is safe to claim that the large portion of the seed never germinates and is lost. If grass seed is to be sown on lawns the surface should be scratched with a harrow, seeded and rolled.

Rye and crimson clover are said to be crops that require no land if they are turned under the soil, because they are seeded in the fall, remain on the ground during the winter, and are out of the way in time for planting the spring crops, occupying the land at a season of the year when nothing else can be grown upon it.

All plants require food and drink. If either is lacking the plant will not thrive. Poor land cannot produce good crops, because it cannot provide sufficient food. Weeds require water, and if not kept down they take from the crop, during seasons when moisture is not abundant, the water so necessary for the success of the crop.

The wheat field should be rolled after a heavy frost, so as to press the plants into the soil if they have been thrown up. Where a field is somewhat damp from insufficient drainage, and heavy frosts occur, the plants are liable to be thrown up until their roots are exposed. The roller should be put on the field as soon as the condition of the soil will permit.

Mix the horse manure and cattle manure in the same heap, and use a liberal supply of muck, dry dirt, litter, or marl to absorb the liquids. Should the heap begin to heat spread it out, throw water or urine on it, and more absorbent material and heap it again. This creates work, but it will make the manure more valuable than if it receives no care.

March and April are excellent months for the sows to farrow. If the young pigs are kept in a warm place, so as not to allow them to be chilled, they will grow very rapidly by the time they are weaned and have warm weather before them. The spring pigs that are carefully attended to, so as to start off well, will be nearly as large at the end of the year as the pigs that are farrowed in the fall.

Cut back the rose bushes so as to get more new wood. They can stand considerable shortening and will be benefited thereby. Rose bushes will not thrive on grass plots. They must be on rich land and kept clean of grass and weeds, while the soil should be loosened slightly on the surface occasionally. They should not be cultivated too much. Simply keep the ground clean.

Get the new strawberry land in condition. New beds should have the plants in position before April 15, if possible, so as to give them the spring in which to get a start and become well established before the dry season sets in. A week or two is quite an advantage with strawberries. After plowing the land and harrowing it well, apply wood ashes and ground bone, and then harrow it again before putting out the new plants.

It Was Butter.

Chemical Analysis of the Alleged Butterine Awarded Prizes at the State Dairymen's Association, Held at Meadville Recently, Shows That It Was Butter.

At the Twenty-first Annual Meeting of the Pennsylvania State Dairymen's Association held in Meadville, Feb. 6, 7 and 8, 1895, the undersigned were appointed a committee to judge the butter on exhibition and award the prizes offered by the Association. In the two classes, viz., the one pound package and the five pound package, there were twenty-three entries including one entry in each class made by Mr. A. J. Palm, editor of the Meadville Messenger in the names of A. P. White and W. R. Fisk, of Shenleyville, Pa., and S. H. Dunn, of Hadley, Pa., whom Mr. Palm claimed to be representing.

After the committee had examined the exhibits with reference to flavor, texture, color and salt, in the form and manner customary in such cases, and reported its score, and after the samples had been removed by the exhibitors and the Association had adjourned, the statement was made public through the medium of the daily press that the packages entered as butter by Mr. Palm, in the name of these local dairymen, were butterine, procured from Chicago for exhibition as butter.

The committee had awarded second prize in the one pound class and third prize in the five pound class to these packages. At the suggestion of the Committee, George H. St. John, Secretary of the Association, procured from Mr. Palm a sample of the packages whose genuineness was questioned, and this sample was sent to The Pennsylvania State College Agricultural Experiment Station by express, under seal, for chemical analysis.

Regarding this sample, Mr. Palm wrote Professor H. J. Waters, under date of February 15, as follows:

"Professor St. John asked me for a sample to send you and I took a part of the roll on which a premium was awarded. If he sends you the sample I gave him, and I have no fears that he will not, you will have no difficulty in deciding by a chemical test that it is butterine. I have both original packages with the marks of the instrument in getting a sample, so there is no chance for any final difference of opinion on the question as to what it is. [Signed] A. J. PALM."

The affidavit of George H. St. John, hereto attached, to the effect that he personally delivered the sample furnished him by Mr. Palm to the Wells Fargo Express Company to be forwarded under seal to Professor Waters, leaves no possible doubt as to the identity and correctness of the sample received by the Experiment Station. This sample was delivered to Dr. William Frear, Chemist of the State Board of Agriculture and of the Experiment Station, with the seal unbroken, as witnessed by his affidavit herewith presented.

A careful chemical analysis was made under the personal supervision of Dr. Frear, and the result as compared with the accepted standard composition of pure butter, butterine and oleomargarine, is shown in the table:

Table with 5 columns: Melling Point, Saponification Equivalent, Volatile Fatty Acids, and Curd. Rows include Pure Butter, Meadville Sample, Butterine, and Oleomargarine.

It will be seen that the sample in question, known as the Meadville sample, agrees in composition with butter and differs essentially from either butterine or oleomargarine. The most distinctive and infallible test for artificial butter and adulterations is the content of volatile fatty acids, which, while varying widely in pure butter when made from individual cows or under special conditions of feed, etc., appears to be fairly constant for the pure commercial product made under average conditions. The range under these circumstances may, perhaps, be safely placed at from 20 to 25. It will be seen that the Meadville sample occupies an intermediate position, standing at 25.6, while commercial butterine has a maximum content of only 8.6 and oleomargarine, 7.

The next most decisive test is the saponification equivalent, which has a range in pure butter of 236.7 to 260.7. The Meadville sample is within the range, standing at 256.7, and is too low for either of the artificial materials, which stand at from 274-290.

In melting point and per cent. of curd, the analyzed sample is clearly within the limit of pure butter, although, since the introduction of cottonseed meal and other new dairy feeds, the Experiment Station tests have shown that the melting point of herd butter is not infrequently raised to 40 degrees. This is not, therefore, so conclusive a test for artificial butters as it was formerly thought to be.

It is evident from these results that the manufacturers of butterine from whom the packages were obtained by Mr. Palm for exhibition, furnished butter instead of butterine as charged.

Signed, JOHN C. MCCLINTOCK, A. L. WALES, H. J. WATERS.

Affidavit of George H. St. John, relating to the correctness and genuineness of the sample sent for analysis.

I, George H. St. John, Secretary of the Pennsylvania State Dairymen's Association, hereby certify that on the thirteenth day of February, 1895, I procured from A. J. Palm, of Meadville, Pennsylvania, a sample of the material entered by him in the name of S. H. Dunn for exhibition as butter at the annual meeting of the said Dairymen's Association at Meadville, Pennsylvania, held on the sixth, seventh and eighth days of February of the year written above.

I further affirm and swear that the same sample secured from A. J. Palm, was by me personally sealed and delivered to the Wells Fargo Express Company at their office in Meadville, addressed and consigned to H. J. Waters, State College, Pennsylvania, and to my best knowledge and belief said sample

was duly forwarded by said express company. [Signed,] GEORGE H. ST. JOHN.

Subscribed and sworn before me this fourth day of March A. D., 1895. MILLS W. LARK, Notary Public, Meadville, Pa.

Affidavit of Dr. Wm. Frear relating to the Composition of the sample analyzed. I, William Frear, Chemist of The Pennsylvania State College Agricultural Experiment Station, certify that I received a sealed express package marked "from G. H. St. John, Meadville, Pennsylvania," containing a substance resembling butter, which I personally opened and prepared.

I further certify that the usual and customary chemical analysis of the same was conducted under my personal supervision, and that the complete and full results of such analysis are: Melting point, 54.1 degrees centigrade; saponification equivalent, 256.7; volatile fatty acids, 25.6 cc.; curd, 9 per cent. [Signed,] WILLIAM FREAR. Subscribed and sworn before me this first day of March A. D., 1895. ALBERT HOY, J. P. State College, Pa.

A Kindly Warning.

A little girl in this city, in saying her prayers the other night, was told to pray for her father and mother, who are both very ill and for one of the servants who had lost her husband. She did as instructed, and concluded her petition with these words: "And now, O God, take good care of yourself, because if anything should happen to you we would all go to pieces. Amen."

Astronomers say that on Good Friday next, April 12, the heavenly bodies which gravitate round the sun will be in exactly the same position they occupied in the firmament the day Christ died on the cross. It will be the first time such a thing has occurred since that great day, just 1,862 years ago. That was the thirty-third year of the Christian era, which dates from the birth of Jesus Christ. At 11:20 p. m., on April 11, New York time, the moon will pass before Virginis (Spica), and hide that constellation for over an hour.

Business Notice.

Children Cry or Pitcher's Castoria. When baby was sick, we gave her Castoria, When she was a Child, she cried for Castoria, When she became Miss, she clung to Castoria, When she had Children, she gave them Castoria. 38-43-2y

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A Small Youth's Retort.

The pompous schoolmaster sometimes finds himself in a position which is not entirely to his taste. A great English wit, Mark Lemon, once wrote a book in which he told of a chubby-faced little urchin who passed his conceited instructor upon the street without bowing. The schoolmaster stopped and frowned.

"What has become of your manners, sir?" he roared. "It seems to me that you are better fed than taught." "Yes, sir," replied the little boy. "That's because you teaches me; but I feeds myself, sir."

Chamberlain's Cough Remedy gives the best satisfaction of any cough medicine I handle, and as a seller leads all other preparations in this market. I recommend it because it is the best medicine I ever handled for coughs, colds and croup. A. W. Baldrige, Millersville, Ill. For sale by F. P. Green.

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IN COOKING EXTRACTS we keep a line of Joseph Burnett & Co's, (Boston) goods, they are the finest we can find, also a line of Knight's extracts.

BEANS, California Limas, New York Marrow and Pea Beans, dried Green Peas.

RICE New Crop Carolina Head Rice.

DOMESTIC CANNED FRUITS AND VEGETABLES, TOMATOES Cottage, Home and Worthington Brands—CORN Persian and Mountain Brands, CORN Granules, Lima Beans and Succotash, Dew Drop brand. GREEN PEAS, Early June, Scottish chief and Cecilia brands. FINE APPLE sliced and grated, Strawberries and White Cherries, Dew Drop brand. Boston Baked Beans.

CALIFORNIA CANNED FRUITS, Yellow Crawford, Lemon Cling, and White Heath Peaches, White Cherries and Apricots.

IMPORTED VEGETABLES AND FRUITS, French Peas and Mushrooms, Preserved Cherries, Strawberries, Brandy Cherries, and Crosse Blackwell's Jams all in glass.

MISCELLANEOUS, Pure Maple Syrup, Honey strained and in combs, Plum Pudding, Armour's Corned Beef Potted Tongue and Ham, Condensed milk, Dunham's Shred Cocoa nut, Rich Mild Cream Cheese, Small Family Cheese, Bradford County Dairy Butter.

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MEATS, Fine Sugar Cured Hams, Breakfast Bacon and Dried Beef, White Rose Lard.

GREEN FRUITS, Florida Oranges, Messina Lemons, White Almeria Grapes, Catawba Grapes, and Jersey Cranberries.

CURED FRUITS, Evaporated California Pears and unpared Peaches, and Apricots.

RAISINS, Imperial Cluster, Fine Layers, Ondaras, Valencia, Sultana and California Seedless and Loose Muscatels.

FISH, New Mackerel very fine, Oodfish boneless and evaporated, SALMON Magnolia, Astoria and Glacier brand Hog's Spiced Salmon, Shrimps, Lobsters, Crab Meats and Spiced Oysters Sardines, French 1/2, and 1/4 Boneless.

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Saddlery.

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ever put on the Bellefonte market, which will be made in the large room, formerly occupied by Harper Bros., on Spring street. It has been added to my factory and will be used exclusively for the sale of harness, being the first exclusive salesroom ever used in this town, as heretofore the custom has been to sell goods in the room in which they were made. This elegant room has been refitted and furnished with glass cases in which the harness can be nicely displayed and still kept away from heat and dust, the enemies of long wear in leather. Our factory now occupies a room 16x74 feet and the store 22x70 added makes it the largest establishment of its kind outside of Philadelphia and Pittsburg.

We are prepared to offer better bargains in the future than we have done in the past and we want everyone to see our goods and get prices for when you do this, out of self defense you will buy. Our profits are not large, but by selling lots of goods we can afford to live in Bellefonte. We are not indulging in idle philanthropy. It is purely business. We are not making much, but trade is growing and that is what we are interested in now. Profits will take care of themselves. When other houses discharged their workmen during the winter they were all put to work in my factory, nevertheless the big (?) houses of this city and county would smile if we compared ourselves to them, but we do not mean to be so odious, except to venture the assertion that none of them can say, as we can say "NO ONE OWES US A CENT THAT WE CAN'T GET." This is the whole story.

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