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How Bees Recline in Their Little Beds at Night.

Best Kind of Cows. writer has never yet attended

dairy convention where some one didn't ask: "Which is the best breed of dairy cows?" Professors and other platform lights rarely commit themselves—in fact, how can they? A monopoly of bovine virtues are not wrapped within the skins of any breed. A man must breed or select his cows according to what he is aiming at. One of the neatest answers to the above conundrum was given at a New York institute by Col. Curtis, who said: "The cow that will make the most milk containing the largest amounts of solids for the food consumed."

The Clover Rust.

The clover rust should be distinguished from two other diseases of the red and white clovers of minor importance, one Phyllachora Trifolii, the other Phacidium white clovers of minor importance, one Phyllachora Trifolii, the other Phacidium Trifolii. Both of the latter produce black, smoothish discolorations, chiefly of the leaves; while the true "clover rust" infests the leaves, the leaf-stalk or petioles, and the stems. In appearance the spots of the rust proper are oblong, well defined, brown in color, and somewhat powdery on the surface. The disease has not been long known in America, but has prevailed to such an extent during the several wet, cool seasons preceding 1890, in many sections in the Northern States, that it must be regarded as a disease likely to affect seriously, under conditions favorable to its development, an agricultural crop.
Suggestions.—So far as present observations go: 1. The early crop of red clover is not likely to suffer injury from rust. 2. As the second crop is likely to suffer greatly if the midsummer is cool, and as clover becomes a valuable fertilizer when plowed in, the fields should be carefully watched in such seasons and the crop might be plowed under to advantage. 3. Burning the clover fields in the fall would probably have some effect in checking the spread of the disease during the next season; but the application of fungicides seems impracticable.—[From a Corhwall University experiment station bulletin.

How to Catch Nitrogen.

At a recent session of the Kent County Farmers' Institute, held at Milford, Del. Mr. J. G. Brown stated that he had form torly paid as high as \$1,509 a year for phosphates. And now after growing crimson clover four years, he thinks he has bought his last commercial fertilizer. He will now depend on stable manure and crimson belover, of which he has 200 acres growing on his farms. Mr. J. S. Willis remarked: "I commenced its use in 1880, and now have 70 or 80 acres which I shall turn under as a green manure. My soil is sandy loam, or as some think, sand without loan. Pasuring killed out all the grass, and in the dry summer my fields were were dusty, and I was in danger of losing what sand I had, from blowing away. But now they are covered with a green carpet of scarlet clover. I have raised 50 bushels of corn legracere on the same sand." Several other will-known farmers expressed favorable schinions of this clover. Like other leguminous plants this clover is able to appropriate from the air that most valuable of fertilizing elements, nitrogen. Readers of the ADVERTISER will remember Dr. McFarlane's address on this important subject at the last meeting of the Outario Creameries Association. Mr. J. G. Brown stated that he had form-

ate from the air the control of the agenuine first-class cheese. What is the reason? Have makers lost the art, or are they too dishonest? It seems as though nothing could be more profitable at the present time than the manufacture of reliable, first-class cheese, and to any desired able, first-class cheese, and to any desired able, first-class cheese, and to any desired at the sex of the search of the search caseine, tough to the teeth and nauseating to the palate. Filled cheese has hurt the appetite of the people so that honest cheese often is not appreciated. Instead of finding a home market it goes abroad to try its chances alongside of the bogus article, which has weakened foreign confidence, depreciated prices and diminished exports. Iowa doubtless turns out good, wholesome cheese; but what becomes of it? Certainly it is hard to find in local markets. It seems that the country dealer finds the seems that Certainly it is hard to find in local markets. It seems that the country dealer finds the best profit in selling "filled" cheese as straight cheese. His case should be attended to.—[Farmers' Review, Chicago.

The "filled cheese" abomination has done the dairy interests of the States incalculable dayses.

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to sell from them when butter and cheese are highest, is just about as smart, financially, for a dairy farmer, as it would be for a manufacturer of reapers to so gauge his business that he would not have a reaper to sell in the early summer, and could only fill orders late in the fall, when the snow was flying, and there was no reaping to do. – [Hourd's Dairyman.

A Noted Jersey Dead.

Many Anne of Sa Lambarta, probably damage, and under no pretext watever should that vile business be permitted to

* THE HORSEMAN.

Freddy Gebhart will be out with a stable of runners next season and Frank McKabe will train for him.

John A. Logan, jun., who has been breeding trotters in Ohio, will hereafter confine his operations to pure bred hackneys. All his trotting stock will be disposed of in the spring.

rye in May and seed again with millet, or Hungarian grass, or plant to some hoed crop (corn) and give the most thorough cultivation, with continued searching for, and destruction of, every remaining thistle. 5. Continue the clean cultivation and sharp lookout for thietles another year. On poor land labor would no doubt be saved by manuring, beginning preferably in the early spring of the first year, or better still, the preceding autumn or winter. The cultivation need not be deep at any time. Cutting the thistle stems three inches below the surface is as effective as at any greater depth, and labor is saved. But the utmost endeavor should be made to include in each process every living plant. From repeatedly cutting off the aerial parts, the underground portions are sure to die of exhaustion, and mostly within the limits of one summer. Lord Marcus Beresford, who was the official starter of the English Jockey Club, and who resigned to become manager of the racing stable of Baron de Hirsch, in which the Prince of Wales is also interested, has an engagement for three years at £5,000 a year.

Roots in Drain Tiles. In answer to an inquiry, we give the substance of a discussion at a horticultural meeting in Rochester, where a large number

Night Work in a Bee Hive

The Northern Rose Garden.

Joaquin Miller, who has heretofore been Joaquin Miller, who has heretofore been better known as a poet than a horseman, writes to a California paper to protest against the senseless custom of trimming horses' tails. He says that in this country mosquitoes and flies make the horse's tail a necessity.

stance of a discussion at a hottenthal meeting in Rochester, where a large number of experimenters were present. Mr. I. Chase put two-inch tiles in a vineyard, nineteen years before, without causing him any trouble. Mr. Varney had been much annoyed by the roots filling his tiles. Mr. Gulley said that orchardists in Michigan had been much troubled in the same way. Mr. Woodward had tiles in his orchards ten or twelve years, with no harm. But the roots of a silver popular 60 feet away found their way to them, and went under the collars and over the joints. Mr. Arnold had found no trouble, but he expected that the roots would enter the tile in future. Mr. Crowell laid tiles in clay twenty years ago, and had had no trouble, the drains the working well. Mr. Arnold knew an orchard drained 35 years before, in stiff heavy sub working well. Mr. Arnold knew an orchard drained 35 years before, in stiff heavy sub to close the joints of pipe-tile with cement and sand, and that would be effectual.—

Woodward said it would not be expensive to close the joints of pipe-tile with cement and sand, and that would be effectual.—

Country Gentlemen. Titan, that was sold for \$23,000 at auction in Australia a few months ago, broke down a short time after his purchaser took him home and has never started in a race. He recently changed hands again, this time for \$3,000, so that his former owner booked a loss of \$20,000, not to mention miscellaneous expenses.

C. J. Hamlin says that at the Buffalo races next season he will introduce a novelty in trotting, it being nothing less than driving three horses abreast. It is understood that his selection for the work will be Belle Hamlin, Justina, and Nightingale, the last named being placed between the other two.

Night Work in a Bee Hive.

Bees work all night, whenever there is work to be done; and there is always more or less to be done during almost every month in the year. Brood is fed at night, as much as in the daytime. Cells are prepared for the queen to lay in, and the queen goes on with egg-laying just the same. During the honey season more comb is built during the night than at any other time, and both pollen and honey are taken from the cells, where the workers deposit it during the day, placed where wanted, properly packed away and sealed over.—[Gleanings in Bee-Culture.

When their labor is over for the day, they rest in chains suspended from the ceiling of their habitation, one bee elinging by its fore-feet to the hind-feet of the one above it, until it seems impossible that the Breeders' Gazette: "The horses that are bred in strictly trotting lines are the ones that hold the championship, win at all ages and at every way of going. Once in a while a stallion like Electioneer will get a fast trotter out of a thoroughbred mare, but it is invariably the case that the same horse gets faster trotters out of trotting-bred mares."

The Italians are going into the trotting business in earnest. They think that the best sires of trotters are horses that themselves have fast records, and there are now standing in Italy no less than five American trotting stallions—Atlantic, Hambleton, Amber, Grandmont, 2:263, and Ell-wood Medium, a son of Happy Medium. There are a number of American mares over there also—Valkyr, Zoe B. and Amelia C., all of whom have records better than 2:20, being the most prominent. by its fore-sees to the mind-sect of the one above it, until it seems impossible that the upper one can be strong enough to support the weight of so many hundreds.—[Ex-

The Northern Rose Garden.

Mr. James F. Webster advised planting roses in beds by themselves rather than interspersed all through the garden. Soil should be somewhat heavy, but well drained. When sandy the surface may be mulched with several inches of rotted manure, to be left on during the season and dug in fall or spring. April or early in May is the best time for planting roses. Two-year old plants may be set 30 inches apart; one year old plants closer; but the latter must be replanted at wider distance two or three years later. For protection, mound up the earth about each plant to the height of ten inches. Prune closely, leaving only six or eight inches of wood on strong-growing varietes, and less on weak-growing ones. Many of the best sorts have stood the test of a quarter of a century, and will remain favorites for years to come.

Contario Fruit Growers.—In a paper entitled (18) at 10 m. Wild Flowers.—In a paper entitled (18) at 10 m. Wild Flowers. The story comes from Europe that Lottie W., record 2:21, that was sent to Germany last fall, has broken down, and an Indiana paper supplements this with the informalast fall, has broken down, and an Indiana paper supplements this with the information that the break-down really took place before the mare left the United States, saying that she was skillfully patched up and worked off on the foreign market. This is not the first time that this game has been successfully played on confiding Europeans who come over and buy trotters on their own judgment or who trust the matter to some irresponsible person on this side of the ocean.

The United States National Association of Trotting Horse Breeders has abolished the standard stake method of obtaining records for horses whose owners are anxious to have them beat 2:30 but not confident that the animals are able to do so in a genuine contest with other horses for a regularly-offered purse. Until further notice the association will recognize for notice the association will recognize for registration only such records as are made under the rules formerly enforced. This means that matters are just now in abeyance, and the resolution appointed a committee of three to confer with representatives of the National and American Associations, the purpose of such conference being to take united action on the subject of acquiring records. acquiring records.

The New York Sportsman devotes a page or more to the opinions of successful trainers on the early development of trotters. These opinions were elicited by the question, "Can a trotter be so trained or developed as to reach the limit of speed at years of age, without danger or injury?" In reply, Budd Doble says he does not think a trotter can be so developed without unduly endangering him. He thinks that the trotter constantly educated and trained until 5 or 6 years old would be far better and faster than at 3 years old. He Mary Anne, of Ss. Lamberts, probably the most famous of cows, is dead, also her daughter, Marianne Pogis. Both dropped calves while the property of their late owners, but none of the calves lived. The two cows were purchased at the sale of Valancey E. Fuller's stock a couple of years ago for a little less than \$5,000.

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Several speakers as the Western Chairing.

What is the most questions there are two didn to his past the control of the control of

The Great Blood Puritier.

A Word to the People.

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THE remarkable effects and most satisfactory results, in every variety of disease arising from IMPURITIES OF THE BLOOD, which are experienced and made manifest from day to day, by those who have taken NORTHROP to LYMAN'S VEGETABLE DISCOVERY, for complaints which were pronounced incurable, are surprising to all. In many of these cases, the persons say their pain and sufferings cannot be expressed, as in cases of Scrofula, where apparently the whole body was one mass of corruption.

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NORTHROP & IX MILES of the stomach, regulate the bowels, and imperry off the putrid humors, cleanse the stomach, regulate the bowels, and imperry of vigor to the whole body.

The conviction is, in the public mind as well as the medical profession, to the remedies supplied by the VEGETABLE KINGODM are more safe and more of the remedies supplied by the VEGETABLE KINGODM. The Vegetable Discovery tual in the cure of disease than mineral medicines. The Vegetable Discovery tual in the cure of disease than mineral medicines. The Vegetable Discovery take, and is perfectly safe to give an infant. Allow us to ask you a candid question:—Do you need to ? Do not hesitate to try it. You will never regret it.

Mr. John C. Fox, Olinda, writes:—"Northrop & Lyman's Vegetable Discovery is giving good satisfaction. Those who have used it say it has done them more good than anything they have ever taken."

more good than anything they have ever taken.

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"I had Dyspepels in its worst form for over a year, but after taking three bottler

of Northrop & Lyman's Vegetable Discovery, a perfect cure followed. I take great

pleasure in recommending it to anyone suffering from Dyspepsia."

MR. W. THAYER, Wright, P.Q., had DYSPEPSIA FOR TWENTY YEARS. Tried many remedies and doctors, but got no relief. His appetite was very poor, had a distressing pain in his side and stomach, and gradual wasting away of flesh, when the heard of and immediately commenced taking Northrop & Lyman's Vegetable Discovery. The pains have left, and he rejoices in the enjoyment of excellent beath; in fact he is quite a new man.

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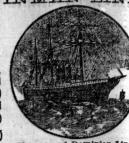
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OL. XXVIII., NO. 90.

Master Stand Agail.

Master Stand Agail.

Splintered Splintered dent Co usiastic Meeting of London's Voting Men.

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inrestricted Trade for Us," the People Fairly Shout.

A Speeches of the Evening and and it in What They Were About. The Candidate Whose Victory is

The Evils of the Present Day, which Freer Trade Will Cure.

Looked Upon as Sure.

The Men Upon the Platform, From Every Sect and Class.

Representing Not the Sections, but the Deeply-Thinking Mass.

The Liberals are awake ! Ever since the abrupt notice of the dissolution of the House the local leaders have been hard at work preparing for the fray. Long before the doors of the Gran Opera House were opened on Saturday evening a large crowd gathered outside, and when ingress was obtainable a rush was made for seats. By 8 o'clock the interior was filled from the auditorium to the "gods" with one of the most representative

gatherings ever assembled in the city of London-all voters and 1,500 of them. Th Grand is a splendid place for such a mee Throughout the evening nothing but the most fervent enthusiasm and unanimi were shown by the audience, whose inten earnestness was a brilliant augury for t Liberal prospects in this city. The me ing was called to nominate a candidate.

on the Piatform.

Mr. V. Cronyn, president of the Lon Reform Association, presided, and a ciated with him on the platform were following: Ex-Mayor Chas. S. Hygeo. C. Gibbons, Q. C., Thos. Coffey (prietor Catholic Record), John Stephe (chairman Board of Education), D. Red. M. Masuret (M. Masuret & Co.), A. Pavey (A. E. Pavey & Co.), E. S. J. P. R. C. Struthers (Struthers, A. Son & Co.), Ex-Mayor James Cowar Stanley Williams (A. E. Pavey & J. J. Spettigue (Westminster), E. Gustin (Gastin House), John May Thomas Morkin, R. Greene (Star. Capt. Frank Butler, Fred. Saunders Slater, John Clarke and Charles Walter Stevens (of Stevens, Clar Stevens), John MoHarg (station-In G. T. R.), Wm. Duffield, jun., F. P. (Cronyn & Betts), ex. Ald. Geo. H. John Smith (J. Campbell & Co.), Owens, Alex. S. MoGregor, Gillean (Standard Life Assurance pany), C. F. Adams, J. M. Sy Geo. Belton (Jas. H. Belton & Co.), Burns (Burns & Lewis), J. B. Dign E. Pavey & Co.), John R. Herald Maofie & Co.), A. E. Franklin, C. C. H. Fewings (Advertisen), Jame (Magee & Thomas), E. Parnelli, U. V. Jones, Malcolm H. Rowland (Loan and Savings Company), J. (Robinson, Little & Co.), C. Walex, Fraser (R. C. Macfie & C. Craig, Jas. B. Kilgbur, W. S. Fle Catlarines), Chas. Hunter (Toront Burke (Standard Life Insurance Clames Reid (James Reid & Co.), Reid (Reid Bros. & Co.), Ex. May John Mills, John W. Cowan (Jas. Ex. Mayor John Campbell, Arc John Fairgrieve (Mannfacturers' Co.), H. C. MeBride (Peters, J. Bride), J. B. McKillop, Cocunty Crown attorney), John (president Advertise), J. B. Geo. No. (Awas. Thomas), Wm. Hyman, Will Barron, John Dingwell, Arc John Fairgrieve (Mannfacturers' Co.), H. C. MeBride (Peters, J. Bride), J. B. McKillop, Cocunty Crown attorney), John (President Advertise), J. J. Lefel, Fred E. Dans, McNab & Mulkeral, John (Macbeth & Maepherson), James D. Gas Company), Water Commin C. Davis, J. D. Lefel, Fred E. Dans, McNab & Mulkeral, John (Macbeth & Maepherson), James D. Gas Company), Water Commin C. Davis, J. D. Lefel, Fred E. Davis, J. D.