Anthrax or Black Log in Cattle,

There are two varieties of the disease, both dependent on the presence in the system of minute vegetable organisms (bacteria) which have acquired the dangerous facility of living and increasing in the blood and tissues of the animal body. One form of the malady is the malignant anthrax proper-the malig-nant postule of man-caused by an organism which exists in the blood and vital fluids in the form of microscopic staff-shaped bodies, as well as spherical ones. This type is readily communica-ble to all species of warm blooded ani-mals unless they have already been rendered insusceptible by an earlier at-tack. The second form is associated with a microscopic organism which is found in the spherical form only in the blood and animal fluids, and which has not been found to attack readily other

not been found to anack readily other animals than cattle. Both are equally dangerous to cattle: the first is quite as flangerous to man and other warm blooded animals. Whether the germs in both diseases are but varieties of the same organism remains to be seen; what is more immediately to the point is that both appear to follow the same law of development and to depend on the same general conditions for the maintenance of their virulence. This is most inveterate if secluded from air, but s gradually lost in the presence of fresh air and moisture. Hence the germ once atroduced or developed in a soil of a bue, impervious and compact kind, in one overcharged with the remains of anmal or vegetable life, or in one habitually water-logged, is preserved indefin-itcly, while in one which is naturally dry, open and porous, or which has been thoroughly underdrained, it sooner or later loses its virulence. In accumula-tions of litter or manure, in liquid manore tanks, in close cellars and the like, it is more likely to be preserved than else-where. To check the progress of the malady, therefore, and prevent **new** at-tacks, the exposed cattle should at once be moved to soil which is thoroughly decided and merican to moistures drained and pervious to moistures.

The carcasses of the dead and all the products of the sick should be burned. er if buried at all it should be in a dry porous soil with a covering of quickporois soil with a covering of quick-lime to favor speedy decomposition, and securely fenced in so that no other cattle can approach the place, nor cat the grass grown upon it for several years. If damp or impervious sell only is attainable for burial then burning the carcasses is far to be preferred. When a pasture has once had an outbreak of black leg it cannot be considered safe for soveral years to come. The purification of such pastures may be expedited by placing them under a rotation of crops and stirring the soil as frequently as possible. so as to expose the germs to the air and lessen or remove their virulence by lessen or remove their virtuence by changing the medium in which they grow. The grand principle is never to be lost sight of that it is the habit they acquire of using up little oxygen in their growth which lits these germs for growing in the blood, and it is the habit using up much air that unfits them for survival in the animal fluids, where little air can be found.

The stock which has been exposed to the infection of black leg, whether from sick animals or infected pastures or places, may attain some measure of pro-tection from taking daily in the food or water some disinfectant which will check the development of any germs that may be present on the mouth, throat, stomach or bowels. For this purpose one drachm carbolic acid and three drachms sulphate iron may be dissolved daily in the drinking water of each adult animal, or kled on its food. Or one drachm sprinkled on its food. Or one drachm of iodide of potassium and one-half ounce chlorate of potassa may be used in the same way. If there is any tend-ency to obstiveness it should be counteracted by roots, apples, potatoes, soft masnes, or by daily doses of two or three ounces of Glauber salts. Constipation usually begets fever, and fever strongly predisposes to the reception of the anthrax germ. Young animals are always most liable to the disease, partly because their tissues are soft and impressible, but largely no doubt because they have not had an opportunity to bea insusceptible through an earlier mild attack. Young growing animals should therefore be kept apart from pas-tures where black leg habitually occurs. and if they must at any time be expos to even the slightest extent, care should be taken to keep them in the most vigcrons health, and to prevent them from becoming suddenly plethoric. To prevent the evil effect of a rapidly increasing plethora it is desirable to feed well at all times, and never allow the subject to get into too low condition. The use in this connection of linseed cake has the double effect of keeping the beast constantly thriving and counter-acting all costiveness and fever. Some seek the same result by giving yearling cattle weekly or semi-weekly doses of his step becomes elastic whenever a de-tested Christian, more bold than his folhalf an ounce of saltpetre, or of two ounces of Glauber salts; while still lowers, dares to insinuate a doubt of the divine mission of Mohammed. There is a sublimity in the enthusiasm of the Moslems for their Prophet of Arabia. It was this enthusiasm that conquered others insert tapes or strips of leather or cord through the skin of the dewlap and smear them frequently with crude turentine (pine gum) or other irritants, so Constantinople, and that terrified Europe beneath the walls of Vienna. It is the same rapt and dominant passion that as to keep up a running sore. These are kept in for weeks and even months, and though not an absolute protection against the disease, yet they serve to mastands like a wall of adamant in the path of the modern missionary who attempts terially reduce the mortality. Cattle strange to the pasture should be subto teach the Moslem a pure Christianity; and it is the knowledge of this that makes the Christians of the East to-day jected to the same precaution as young growing cattle. After is has once set in, black leg runs such a rapid course that tremble in the presence of their Moslem conquerors. The Christians know that treatment is rarely of any ava'l. In mild cases the use of carbolic acid and they are surrounded by those whose fanatical hatred of Christianity is like mind cases the use of carbone acid and sulphate of iron, alternately with chlorate of potassa and iodide of pottassium, as advised above, for prevention, and to the sweiling oil of turpentine, or car-bolic acid oil (one to ten) may give good results, *Prof. Law, in N. Y. Tr.bune.* the pont up fires of a volcano; they can never be sure that those fires will not, at some unexpected moment, break forth with destructive fury .- Brilish Quar-terly Review.

Life in the Pennsylvania Coal Breakers.

It is almost impossible for any one It is loss than forty years since that courteous gallant and fopling of phrases. Mr. N. P. Willis, characterized the class of single women as "The Dried-ups." One can not imagine a writer of equal reputation, a gentleman of equal breed-ing committing such a discourteer to who has not been an eye witness to the operations of the mines to conceive at what tender years the child in the anthracite region is put to work, or to know, unless he has actually in his younger days been placed in the same condition as the thousands of boys in the ing committing such a discourtesy to-day. From his point of view it was as if a hunchback should be taunted with condition as the thousands of boys in the mining districts, to what permicious in-fluences they are subjected and what evil consequences ensue. Though it may appear incredible, it is nevertheless a fact that children of all ages from six years upward find work in the coal-breakers, and toil in dirt in an atmosshare thick with earbon dust from dawn till dark of every day in the week. Sundays excepted. These little fellows earn from thirty to forty-five cents per day, their labor consisting in picking the slate rock, etc., but of the coal pre-viously crushed to small pieces in a breaker and screened through huge revolving screens that separate the various sizes of coal. From this occupation, as they advance in years, they are pro-moted to mule-driving, and afterward, when they arrive at man's estate, to laboring, and mining, which is the highest pinnacle that can be reached by the toiler, whose only companions through life are men made rough like himself by their rough surroundings, and whose only education is that which he gleans

from the noisome breaker and gloomy mine. Here is a wrong crying for re-dress. Here is an evil that cannot be remedied too soon, and here is a chance for some Garrison to point out the fet-ters that enslave a portion of humanity, and for some Lincoln to strike from off their limbs those chains of servitude and make them free.

Out of this community in the northern portion of Luzerne County, which num-bers about twenty-two thousand people, ipward of three thousand boys, whose ages vary from six to fifteen years, are engaged about the mines. Having gone to work before they should have been sent to school in most instances, they grow up in utter ignorance, as it is well known that when they advance in years and their labor correspondingly increases in value, they get but little chance to become educated. Thus, in this en-ightened age, when the tendency of humanity is upward and onward, and the benefits of education penetrating every-where are extended to all, society is hampered and the progressive wheels of civilization are clogged by culpable igno-rance. The citizen is rendered incapable of intelligently discharging his duty as a citizen, and the fact that there is a con-tinuous supply of material for the demagogue to prey upon is a constant menwe to our free institutions. I have alluded to the pernicious influences to which these little boys are subjected. There are no schools in the world where more evil is learned, or more innocence lestroyed than in the coal breakers.

is absolutely shocking to watch the vile practices indulged in by those children. Hear the frightful oaths to which they rive expression, and note their total dis-regard for religion or morality! Hardened by exposure to terrible influences it is hardly to be wondered at that the lemon of Molly Maguirelsm and systematized, cold-blooded murder reared its monstrous head from out the sinks hat surround the mines, and maintained its reign of terror for years.-Pillslon Oor, Philadelphia Press.

The Power of a Prophet.

Many attempts have been made to expointed parents—were so ready to efface them. For there is a certain sanction in plain this profound reverence for Mo-nammed by his countless followers. acceptance. When they acquiesce in the general verdict that they are nobodies, Other cases may have aided, but the nain cause, doubtless, is to be found, not they enter the final judgment. in his normal maxims, nor in the sensual paradise which he offered to his follow-Self-sacrifice is a virtue much misers, nor yet in the vague belief that he spake as the oracle of God, but in the understood. To deny one's self for a great end, to help the weak, to relieve the burdened, that is heroie. But only to sew for the idle, to take steps for the fact that is regarded as the revealer and lefender of the doctrine of the Divine inconsiderate, to pamper vanity and folly with endless services, to be an ununity. In this character he became, in anity. In this character he became, in the eyes of his followers, a reformer as opposed (1) to idolatry, (2) to corrupt Christianity which accepted the worship of images, pictures and saints, and (3) to a pure Christianity which holds to a trinity in a unity. But whatever may be the cause of this supreme devo-tion there are here a constraint of the particular that and misleads her who is initiated unity. tion there can be no question in regard to the fact. Nothing can excel the jealministered unto. The single woman may maintain that ous care with which Mostems guard the reputation of their prophet; even an in-sinuation that he was not all that was

(Soit Lake City (Utah) Tribune.) Horse-Trading Extraordinary.

Old Maids.

his bent spine, or a cross-eyed man with

his obliquity of vision; for he assumed that unmarried women were celibate beTHE CAMP FIRE.

A lot of old vet-rans were sliting by a com-fortable fire, the other night-in a certain Utah camp, cuiling over the hasks of memory and revamping old experiences for entertainment. Trading Hank, after irrigating at the bar, end.

Trading Hank, after irrigating at the bar, said:
"See here, boys, I guess none of you ever rome as near turning up your toes as I did the time I had that spell of —..."
"Oh, give un rest on that and tell us how row chented them tenderfeet in Nebraska out of all that hous, flesh!" said a powerful miner from a corner of the room.
"Pil be dingswizzled, pard, ef you hadn't better put your words close together when you slash at me. I'm a knocker from Knockerrwile, Tam, and don't you forget it?"
"Well, I was born about four miles below there. Hank, but I didn't mean so insuit. But I you want to four the below there. Hank, but I didn't mean so insuit. cause they were so plain, so poor in charms, so unattractive, that no man

would marry them. If literature and society are better mannered now, regarding single women with courtesy and often with admiration, it is because our theories about them are made to square more nearly with our facts. It is matter of

kite!"
"All right, Pete, me and you has been friends too long to light when no insuit's meant. So here goes for the story: "I was fixin' near Kearney, Nebrasky, trein' my hand at poker and horse tradm' for a livin'. Some failows from Cheyenne came along and cleaned me ont of my money and every danged horse I had but kickin' Dick. It was a fair game, though, and I couldn't grumble. common observation that in every circle some of its most delightful members are

Here "All right, Pete, me and you has been and some observation that in every circle some of its most delightful members are maidens past their youth. They are mean so here are goes for the story.
"All right, Pete, me and you has been and the store insuit?" and here store is the story.
"I was likin near Kearney, you have been if the through its and the store insuit?" and the store behind the through its decision. economy, liber ality of the family. Are mean sodell that its bas been their hands and scatter through these house the store within and scatter.
Thackeray, that temberes, of eynes, that most old mails have decising to marriage. The just is stored to marriage. The past is part to bay end to be the object of marriage. The past is not oblic through the marriage is the idea is the would. And it is certainly true that most old mails have decising to marriage. The past is pain that there cannot be in existence to more the goal to marriage. They are a lot of eight to pay of the excention of 100, and the second is pain that there cannot be in existence in miniciduality, as a main is as separate an entity, as disting a tory of the excention of 100, and the toward to pay the base from within, more harge-hearted more oblers, too brave, and too pure the store of the

that has had the certificate of some man's The best thing to take before singing-Breath.

expressed approbation or not. It will permit her to live her own life. But though it was the old notion of feminine incompleteness and subjection which made the lot of single women a reproach to the unthinking, they them-selves have not been blameless. Their for years with rheumatism, -- [York | Neb patience has been too endless, their seekness too long-suffering, their sub-There's very little or no opposition to a red-hot poker. mission too complete. Almost with one

accord have they consented to efface themselves, as the French say, grieving The Philadelphia Easy Howr mention Mr. J. A. Walton of 1245 N. Twelfth street the while in silence that married sisters and preoccupied brothers-in-law and gay young nieces-alas, that even disapthat city, as an enthusiatic inderser of S Jacobs Oil for the relief and sure of di cases of horses.

> All types of mankind to be justified mus be in good form. .

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the lowest. We be and want more. Satisfaction guaranteed of money refanded. Reference in every county as to fair deallog. Full price list on applica-tion. Address, II. A. SMITH, San Francisco Cash Grocery, 519 Post St., S. F., Cal.

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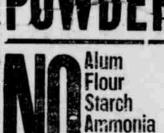
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-An eye witness of the lynching of McManus, in Minnesota, says that the mob was composed of the "most reputa-ble and orderly citizens." McManus was accused of a cruel assault upon a child. The law would probably have been allowed to take its course in this case, had it not failed to do justice, a short time previously, to a brutal wife murderer, who ought to have been hanged, but got off with seven years in prison. This alarmed and exasperated the "orderly citizens," and they deter-mined to make an example of McManus. The child assaulted being of a poor famliy, its father a laboring man with nothing to spare, the mob got up a subscrip-tion of \$1,000 for it. -N. Y. Sun.

precious dignity of bearing which com-mands respect. If her plate be below the salt, it is left her to prove that where claimed for him is resented to a MacGregor sits is the head of the table. personal insult. The name of Mo- Nor should she slight her dress, and put hammed kindles a burning enthusiasm in the breasts of his followers, an away from her the ornaments and graces of life. They are her armor and deof life. They are her armor and de-enthusiasm which sometimes breaks forth in terrible massacres, but is generally quiet and powerful, like the flow of a deep and mighty river. Letharrie as who and how inclusion to the to the the the more is the woman than the deep and mighty river. Lethargie as most Turks are, the name of the Prophet at once arouses to action. The form of in the world. the Turk becomes more erect, his dull eye flashes, his blood flows quicker, and All women love love. The hope of a

home of her own, of a foud husband and the touch of baby hands stirs early in every maiden's heart. It is with a sense of loss and hardship that she sees that hope fade without fruition, when

"the God of bounds, Who sets to sets a shore. Comes to her in His silent rounds And says: "No more."

But life is full of compensations. It is left her to enjoy, to labor, and to aspire. Perhaps it is left her to illustrate, as her more fettered married sister can not, the real caoacity, the actual power of achievement, of her sex.—Harper's Bazar.

The Sentimental Editor.

A few evenings ago we saw a lovely illustration of the adage, "Every cloud has a silver lining." The entire sky was a dull gray, almost leaden, save in the northwest, where there was an ob-long bank of billowy clouds intensely black, each having an edge of bright silver that deepened into gold. Around the clouds the last rays of the sun rested in indescribable beauty. To our mind.

No Preparation of the south of the comparation

SAN FRANCISCO, CAL

-William Ritter murdered a girl at Henderson, Ky., and buried the body. Nobody suspected him, and, indeed, it was not thought that she had been killed, her dissppearance not causing much stir. Actuated by some singular motive, he produced her hat, saying that he had found it in a field near his house. Then a search revealed the deed and eircumstantial evidence fixed it upon him.-N. Y. Herald.
-A female lawyer of Milwaukee would not cease repeating questions which the Judge had ruled out, and was threatened -William Ritter murdered a girl at not cease repeating questions which the Judgehad ruled out, and was threatened with imprisonment for contempt. Then and the shadows into light .- Cumming

-Whoever heard anybody complain that griddle cakes tasted flat?

nestles in the hills of Sudbury, just half-way belween Boston and Worces-ter, is known to be 220 years old, and believed to be much older. It is on the Howe Farm, and from it swung the sign of the Red Horse a hundred years ago, it is now rented, and visitors are shown over it for a small compensation. In the last issued volume of the En-cyclopedia Britannica, Swinburne writes of a certain performance of Keats, that it is the most "vulgar and vasid and elfeminate rhymester in the sickly stage of whelphood." Who would be one of the poets. The colored Baptiats have been hold-ing camp-meeting in the suburbs of Cincinnati which ended in the march around Jericho's walls. Two lights were carried by two clergymen, one of whom had a large brass horn on which he tooled, while a long procession fol-low do not march around the imaginary walls to overthrow them. "My boy." said a conscientious teacher, "do you know why I am going to whip-you?" "Yes," replied the hopeful, "because you happen to be bigger than I am." He wasn't whipped that day. Paper culls—Newspaper attacks.

she went out of the room in tears, and refused to reappear in the trial.

(Ga.) Clarion.



