

Stock.

Causes of Glanders.

Glanders does not cause near the loss it did thirty or forty years ago, and it is seldom found as a prevalent disease, except when neglect of the proper treatment of exhaustive diseases, imprudence from over working, neglect of cleanliness, and want of ventilation exist. It is a very well known fact, that exhaustion and debility, no matter whether from disease or neglect, undue exposure or exhaustive work, are liable to result in glanders. In regard to impure air, the Schneiderian membrane, the acknowledged seat of the disease, is highly vascular—a tissue of blood vessels, a membrane of exquisite sensibility. Thus vascular and sensitive, it is placed as a guard to the lungs, covering within and without those convoluted bodies, which in a manner fill the whole of the nasal cavity, and it everywhere exposes its mucous surface, intercepting every deleterious substance. No part of the frame has a more important function to perform, no part is endowed with greater sensibility, no part is exposed to so much injury. The currents which are continually traversing it, the thousand extraneous bodies which come in contact with it, the pungent and poisonous vapors which it is so incessantly exposed to, are all sources of irritation and debility, and we need not wonder that it is so disposed to inflammation. Nothing is more injurious in disposing this membrane to inflammation and its consequences than the destructive system of stable management which prevails in many establishments, especially in the underground, overcrowded, unventilated, filthy stables which are to be found in many of our large cities.

The diseases which may be mistaken for glanders are as follows: Ozena, carries of the molar teeth of the upper jaw, sinus of the palate, and polypus. Ozena is a disease which closely resembles glanders, and the line of distinction between these diseases is sometimes very finely drawn. The same structures are affected in both maladies, and, to crown all, if the former be neglected, especially if circumstances prove favorable—such as bad ventilation of the stable, exposure of the animal to cold or wet, together with a poor diet—it may pass into the more formidable disease, glanders.

Scores of horses affected with ozena have been condemned as glandered, and accordingly destroyed, and as many cases of the disease have been cured, and the cures lauded to the world as cures of glanders. The disease varies in character from that of a simple discharge from one nostril to that of a most offensive, purulent one, attended with ulceration and carries of the bones of the head, together with wasting and general emaciation of the system.—National Live Stock Journal.

Average Service of a Cow.

The average actual life of a cow is eight years. The possible productive life of a cow is twenty years. The writer's best cow is the twenty-third calf of her dam. An Ayrshire cow once gave in the writer's presence thirty-seven quarts of milk in one day with her thirteenth calf, and at the time she was too old for her age to be indicated by her horns. A Jersey cow dropped her best calf, now a cow, when she was 19 years old, and the Centennial prize Jersey cow Niobe was a very old cow then. Now, what a loss there is in wearing out cows at eight years old! A cow properly cared for is then at her prime, and may compare with a man of forty years in that respect. At such an age a man has twenty years of vigorous life before him, and, by husbanding his powers, ten years more may be added. A cow may just as well add six years more to her eight, and will beyond a doubt if she is well used, and still yield a better profit to her owner than a four-year-old cow. Thus the productive life of a cow may be actually doubled by good care and usage. But how is this lengthened period of usefulness to be gained? In the first place, longevity is a hereditary characteristic, and careful selection and breeding are required to secure it. Then constitutional vigor favors it. This is secured through breeding and early training. The sound, healthy calf must be well cared for, well fed, and when she becomes a cow the training and care must be continued and the cow's vital forces well nourished and husbanded. Exposure and irregular feeding, not to mention actual semi-starvation during the winter seasons, which is far too common, tend greatly to shorten the useful and productive life of a cow. It pays better to preserve a good cow than to rear a second one; and if one lives sixteen years and has thirteen productive years, she will have been worth more to her owner at the end than three cows eight years old have been, for there will be ten fully productive years in the old cow's life against ten partially productive years in that of the young ones.—Rural Spirit.

Steamed Food.

It is a rare thing to find cooked food in the mangers of horses in this country, and yet it is used liberally beyond the Atlantic. The late Mr. Mechi, of England, was in the habit of steaming nearly all the straw for his animals, horses included. Professor Dick recommends for general adoption in manger

feeding the practice of cooking food for horses, on the ground that by aiding the organs of digestion much exertion is saved to the system, a result which is likewise attained by the bruising of oats and beans and cutting of hay and straw. He says that when the food is broken down by cutting the hay and straw, and bruising, boiling, or steaming the oats, not only is there less waste, but much labor is saved to the animal in having the tough, dried hay and hard oats masticated for him, and in a state almost prepared for digestion; and, as regards the oats, all the nourishment they can afford is readily yielded to the digestive organs. Goodrich Smith testifies that its importance is seen from the fact that a horse occupies from three to four hours in masticating one stone of hay, but a mash of potatoes of double that weight may be eaten in forty minutes. Professor Low is another authority in support of the system. Loudon used to feed horses on potatoes, and judged that for this purpose one acre of potatoes went as far as four acres of hay.—Live-Stock Journal.

Warm, Well-Ventilated Stables.

For the horse, especially, it is all important to see that the stable is comfortable; for under the excitement of work, the perspiration, and the occasional violent efforts of breathing, he is more than any other domestic animal subject to colds and chest diseases. A damp bed, or a draught of cold air acting on the heated and perspiring animal, will often lay the foundation of a malady that utterly ruins his usefulness. Open windows and doors on opposite sides of the stable, or openings in the walls or floor should be carefully guarded against, especially when the horse has just come in from work. But in securing comfortable warmth, we must avoid impure air, from confinement of the breath or emanations from dung or urine. Cleanliness and sufficient openings for the ingress and egress of air, on one side of the stable only, or above the level of the animals, on both sides, will guard against cold, while securing purity of the atmosphere.—National Live-Stock Journal, Chicago.

Many farmers are looking forward anxiously to the full opening of spring. Live stock can be kept with so much less trouble and cost on grass than during the winter; often they are so much more comfortable and look so much better on grass that it is natural to wish to get them out of winter quarters as soon as possible. But it is easy to make mistakes here. In the majority of cases it is better to keep the stock in the stables or yards until the grass has made a good start, than to put them on the pastures at the first starting of vegetation. The animals eat the dry food better, if confined to it, than if they get a bite of grass. The pastures do better through the season for "a fair start" in spring. It is not meant that they should be allowed to half manure their crop before being grazed, but that the grass or clover should be well started and able to give all the food the animals need. When a drouth comes in summer, the difference between the pastures closely eaten in early spring and those allowed even a week or ten days' longer growth is often clearly seen.

Syrup of Fig.

Nature's own true laxative. Pleasant to the palate, acceptable to the stomach, harmless in its nature, painless in its action. Cures habitual constipation, biliousness, indigestion and kindred ills. Cleanses the system, purifies the blood, regulates the liver and acts on the bowels. Breaks up colds, chills and fevers etc. Strengthens the organs on which it acts. Better than lither, nauseous liver medicine, pills, salts and draughts. Sample bottle free, and large bottles for sale by all druggists.

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Bee Keepers Supplies!

The undersigned has for sale at fair prices nice comb foundation for both brood nest and surplus boxes. Bee hives of the most approved style—with both broad and narrow frames—also surplus boxes and other "fixings" bee men require. I am also prepared to receive orders for Italian Queens—the same being bred from choice imported mothers and warranted purely mated. Price of Queens, in June, \$3. In sending orders for foundation state size of sheet, and whether heavy or light is required. Price sent upon application. W. H. CHASE, Salem, Or.

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The Standard Bred Trotting Stallion.

Commencing March 15 and ending July 1: On Mondays and Tuesdays at Mer hall's stable, Albany; Thursdays and Saturdays at Ford & Minto's stable, Salem. TERMS.—Season, \$25; Insurance, \$45.

INAUGURATION.

Will make the season of 1884, On Mondays and Tuesdays at Mer hall's stable, Albany; Thursdays and Saturdays at Ford & Minto's stable, Salem. TERMS.—Season, \$25; Insurance, \$45.

The Thoroughbred Stallion Woodbury.

Will make Season of 1884, as follows: At L. S. Scott's Livery Stable, Salem, on Fridays and Saturdays; Sundays at farm of John K. Howell Prairie—where good pasturage is secured or accommodation of mares from a distance; M. Mondays at Dixie, Wednesdays at Dallas, and Wednesdays at Independence.

DESCRIPTION.—Woodbury is a beautiful mahogany bay, 13 years old, 15 1/2 hands high, weighing 1175 lbs, 74 inches around the heart, perfect in every way, with immense power and substance stamp him second to no stallion in America.

I will add \$500 to a sweepstake of \$50 entrance, half forfeit, to be trotted for in the fall of 1887, by Woodbury's foals of 1885. Contest to be on a mile heats, two in the field, in harness, weight to be 155 lbs. The contest in all other respects to be governed by National rules; \$25 to be paid 1st day of June, 1884, and \$25 to be paid by 12 o'clock noon of the day of the race; to be trotted on the track, that will add no money, which money shall be added to the main stake. To be divided into three moneys—40 per cent. to first, 25 per cent. to second, and 15 per cent. to third horse.

I will also add \$250 to a sweepstake of \$25 entrance, half forfeit, to be trotted for in the fall of 1887, by Woodbury's foals of 1885. Contest to be on a mile heats, two in the field, in harness, weight to be 155 lbs. The contest in all other respects to be governed by National rules; \$25 to be paid 1st day of June, 1884, and \$25 to be paid by 12 o'clock noon of the day of the race; to be trotted on the track, that will add no money, which money shall be added to the main stake. To be divided into three moneys—40 per cent. to first, 25 per cent. to second, and 15 per cent. to third horse.

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The Pure Bred Kentucky Jack GIANT.

Bred by Robert Lee, Mercer Co., Ky. PEDIGREE.—Giant was foaled on May 25, 1871; sired by Donald, a mammoth Jack owned by Mr. Stigall of Boyce county, Kentucky; dam Jen-et, owned by Sampson & Horner, Jones; by Renick, owned in Waco to a cousin, Kentucky. For three years Giant was in the stud in Kentucky, and proved to be a fine sire as well as a sure foot getter.

The Fine Trotting Stallion "MAC."

Record 1:16, Bay View Park, San Francisco. PEDIGREE.—The following pedigree is from Wallace's Trotting Register: Mac was sired by Sawyer's Colt, he by Buckbridge Chief, he by Vermont Black Hawk, Buckbridge Chief dam by Sir Charles, he by Lord's Messenger, he by Diomedes, son of Duroc, he by Mentor, his dam by Tart, grand dam by Aquinas, he by Starling, he by Fox. Dam of Sawyer's Colt was San Jose Daniel, by Easton's David Hill, he by Vermont Black Hawk; her dam the dam of Dashaway, the celebrated two-mile man. Mac's dam was by General Taylor, out of a thoroughbred mare imported to the State from Missouri, by Haskell, Esq. Gen. Taylor by the famous horse horse, he by imported Norman from France. Dam of Norman horse by Ogden's Messenger, he by imported Messenger, his dam by Katy Fisher by imported Highflyer, grand dam by Jersey Kolpe. Terms.—Season, \$25; Insurance, \$30.

The Imported Clydesdale MARQUIS.

Marquis is too well known to require an extended description here. He terms are the same as Mac's. All the above will stand as follows: at Ford & Minto's stable, in Salem, on Thursdays, Fridays and Saturdays of each week. The remainder of the time at my farm in the Waco Hills. Mares from a distance pastured at \$1.50 per month. No responsibility assumed for accidents or escapes, but exercise due care and caution to prevent them. For further particulars address: Lupton T. J. EDMUNDSON, Proprietor, Mackay, Oregon.

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The Imported Carriage Stallion KING TOM

Will make the season of 1884 as follows: Sublimity, AT G. S. Downing's, two miles north of Sublimity, on Mondays and Tuesdays forenoon. Silverion.—Tuesday afternoons and Wednesdays, Salem.—At Ford & Minto's stable, on Thursdays, Fridays and Saturdays. TERMS: Season, \$25; Insurance, \$30. Mares bred by season payable at last two rounds. Insurance when the mare is known to be with foal, or the animal is disposed of or taken. Parties disposing of mares bred by insurance will be held responsible for the insurance money. Every care taken to prevent accidents but responsibility for none. Mares to go for mares from a distance at reasonable rates. DESCRIPTION.—KING TOM is a bright bay with black point; 16 1/2 hand high; weight 1400; free from blemish; fine carriage horse; sure foot getter. PEDIGREE.—KING TOM was foaled in 1877; he by Old King Tom. Old King Tom is a bright bay, and stands 16 hands; bred at Woodford Farm, Kentucky; foaled 1866; got by Lexington; 1st dam, Tokay by Imp Yorkshire; 2d dam, Miss Martin, sister to George Martin, by Garrison's Engager; 3d dam, Gabriel, by Sir Archie; 4th dam, 1st dam, by Sellar; 5th dam, Irb's mate (the dam of Woodpecker, Laurel Imp, H. or Noh) 10th dam, by Imp. Jolly Reiger; 11th dam by Tallent; 12th dam by Tyrrell, by Imp. Traveler out of Blacella. The dam of Young KING TOM was sired by Beacon; he by Sir Tatton Sykes; grand dam, by Doherty's Royal George; he by Black Warrior. For further particulars apply to E. W. ROSSITER, Whitaker, Ogn.

The Highly Bred Trotting Stallion MASON CHIEF.

Will make the season as follows: At Armville on Mondays, Tuesdays and Wednesdays, Salem, (at Gaines Fishers' stable),— 1/2 hours say, Fridays and Saturdays. PEDIGREE.—MASON CHIEF (full brother to Girl Queen) was foaled in 1875; he by Old King Tom; sired by Hurr & Young, at Forest Park, Lexington, Ky., by Mumbrino Patchen, by Membrino Chief, by Membrino Patcher, by Membrino Imp, by Imp. Arablan, Mohabbid; 1st dam by Stockholder, by Sir Archie; 2d dam, by Sumter, by Sir Archie; 3d dam, by Imp. Redoubt; MASON CHIEF stands fully 16 hands; is remarkable style and fine action. TERMS.—Season, \$25; Insurance, \$35. By season payable July 1; insure once, when known to be with foal. Care to be taken to avoid accidents but no responsibility assumed. Good pasturage at reasonable rates. Apply to E. W. ROSSITER, Whitaker, Ogn.

The Thoroughbred Stallion Al-Bute.

For a limited number of Good Mares. Will make the season of 1884, from April 1 to July 1 at La Fayette, on Mondays and Tuesdays at Home Farm, on Wednesdays and Thursdays, Salem, at Gaines Fishers' stable, Fridays and Saturdays. TERMS.—Season, \$25; Insurance, \$25. By season payable July 1; insure once, when known to be with foal. Care to be taken to avoid accidents but no responsibility assumed. Good pasturage at reasonable rates. Apply to E. W. ROSSITER, Whitaker, Ogn.

Imported Clydesdale Stallion SIR STAFFORD.

Four Years Old in July, weighed 1700 pounds the first of March, stands 16 1/2 hands high. PEDIGREE.—Fostered July 12, 1880; bred by A. & R. Brownlee, Boyds, Newman's Lanarkshire; sire Baron Renfrew, dam Mary of Boyds, by Cummock Jack. Baron Renfrew is one of the best breeding stallions in Scotland.

Percheron-Norman Horse ST. GEORGE.

Sired by WIDE-AWAKE, dam from W. C. Myer's FLEURY, grand-dam from WHITE PRINCE, great grand-dam from DALRYMPLE DOUGLASS. He is large in size, has good action. He is a true type of his sire, WIDE-AWAKE. These horses will stand at the Stable of Ford & Minto, Salem, from Tuesday until Saturday night of each week through the season of 1884. TERMS.—SIR STAFFORD, \$25 for season, \$30 to insure. SIRE STAFFORD, \$25 for season, \$30 to insure. Fletcher & Savage, Prop.

English Draft Horse COL. MESSENGER.

This fine stallion was raised by Mr. Newhouse, of Albany. He is 7 years old May 1, 1884, stands 16 1/2 hands, is a dark chestnut sorrel. His sire was an imported English Draft horse and the dam goes back to Messenger stock bred in the state. COL. MESSENGER will stand for the season of 1884 as follows: Salem.—City Feed Stables, Monday and Tuesday. Brook.—At Criss stable, on Falon road, half a mile south of Brooks, on Wednesday and Thursday. Salem.—Fridays and Saturdays, at Ford & Minto's livery stable. Terms: For the season, \$15; Insurance, \$20. For further particulars inquire of F. M. WRIGHT, in charge, Salem, Oregon.

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