

Veterinary.

HEREDITARY DISEASES AND DEFECTS.

BY S. G. TATTERSALL, V. S., (LONDON, ENG.),
AILSA CRAIG, ONT.

Continued.

And passing over the affliction of deafness which, as a rule is, in the equine race, incurable, and is in fact, I think (although I lay myself on this point especially liable to correction) induration of the Tympanum (*vulgo*, drum of the ear) and which, in general, runs into a Phadgademic, or spreading and corrosive ulcer, and which, though curative or partially so in the human being is, to the best of my belief and practice, incurable in the horse.

Before I speak of any of the hereditary defects in the shape of malformation, bony exostoses, &c., it is my intention to impress upon my readers the effects of the imagination in the female while under the influence of the act of copulation, and still even before that conception whilst under the natural impression that she receives from nature, and which, though rational in the human being seems as it is an act of the Supreme Being to be the only discriminating point between the rational and irrational. Whilst in the time the mare is willing to receive the caresses of the horse, there is no doubt in my mind that she, should she be in a wild state, would receive the caresses of any other animal at all compatible with her race. We have several instances of this. Some years ago a thoroughbred mare was put to a Quagga (the Zebra) and she brought forth a foal striped like its sire with black and white stripes. The next year she was put to a thoroughbred horse called "The Colonel," and although "The Colonel" was a bay the produce was another black and white striped colt, and subsequently though bred to thoroughbred horses she never produced one without the stripes which had been given to her through her imagination, and we must suppose love; just as I take it in this way, that so many good looking and fine women, intellectually and otherwise, are seen in Canada, England, Baden-Baden, and other places married to little miserable men who are not fit to black the boots of the lady who has brought their insignificance to the fore, and through their infatuated love brought up their offspring, like the mother, no, unfortunately for the world, like the person who calls itself the father; and so it is with the mare, put a donkey to a mare which is so frequently done that nobody thinks it a sin, what is the result, a mule, an animal that is a sin to Nature itself, an Hybrid, a beast without intellectual faculties which, without doubt, its mother had, but its father the jack-ass (truly called so) has never known or appreciated. All these things I cite as an instance and a sure fact of the imagination, and to induce my readers to keep the mares they have under their charge or of their own, free even from the sight of anything unsightly or that may make an impression on the minds of the females in that critical condition. Take it in cows: In general if one cow has a miscarriage even (as at a home in England) in a thirty acre lot, all the other cows in calf miscarry, and although other Veterinary Surgeons a great deal better than myself, and whose writings I delight to follow, and whose teachings are thoroughly honest and good, yet I think they (though I know I am presuming in saying) that had they reasoned by analogy they would have found this lamentable affection to have been caused by sympathetic imagination, even the same as one man or one woman (more especially) sympathizes with another in any affliction.

BONE SPAVIN.

A PAPER READ BEFORE THE MONTREAL VETERINARY ASSOCIATION, BY JAMES B. McLAUGHLIN, SECOND SESSION STUDENT AT THE VETERINARY COLLEGE.

The hock, the seat of this disease is anatomically known to you all its structure and the functions which it performs are more intricate and complex than those of any other joint in the "rump." Its great liability to injury is also an undeniable and established fact, and I am therefore safe in saying that of all the diseases to which the limbs of a horse are subject, this is one of the worst. Occurring as it does in this most important joint in the extremities, it can never be entirely eradicated, and from its first appearance the animal is ever after unsound.

All forms of ankylosis of the true hock joint are recognized as spavins, but it usually presents itself as an exostosis on the antero-internal part of the hock between the cuneiform parietal and inner splint bones, but may occur on any part of the joint or involve the whole.

may become on the outside, for the cancelled structures of the bones are still in apposition and a removal of the lameness is highly improbable as long as the carious surfaces of the bones are unrepared the lameness will remain, but effect their repair and accomplish their complete union. Unite them as one bone performing the action of one bone and an entire cessation of the lameness ensues. Although by this you destroy the gliding motion of the hock, it matters little, for it interferes none with the regular flexion and extension of the joint. We are, therefore, enabled to arrive at the safe conclusion that little harm attends old standing spavins in young animals, as it is during their growth they interfere with the use of the horse, but in any case deteriorate his value.

The prevalence of this disease, though greatly to be deplored, is not, after all, so surprising when we come to consider the numerous causes from which it springs.

As, probably, the most fruitful cause, we may first observe the utter neglect displayed by horse breeders in the choice of brood mares and stallions which, displaying in one or both cases evidently full formed spavins, are certainly most likely to produce spavined progeny.

Or it may be, showing no apparent spavins they have yet a certain formation of hock favorable to the disease, and where the sire and dam, or either of them, is of the latter description their produce will become notorious in their propensity to cultivate spavin. Here we will have to attribute it to what Percival calls ossific diathesis, but which we all know under the name of hereditary predisposition in certain breeds of horses. By almost all authors our attention is called to the various peculiarities of formation in hock joints bidding us trace the growth of the disease to the imperfections of the joint, and although we often find spavins on well formed hocks there is a certain formation predisposed to it. But this malformation cannot alone be confined to the hock, but is applicable to the whole limb, which, from the hip down should be symmetrical and proportionate in its formation. A straight line drawn from the joint of the pelvis to the ground should admit of a slightly inward tendency of both hock and forelock, which, in turn, should correspond to a straight line drawn from one to the other, and to the ground. No great degree of obliquity should be permitted to the direction to the ossa suffraganea, nor should they tend to a vertical position. Of the foot I need say little, but I would draw your attention to one fact in connection with it. Find me a neglected, badly-formed foot, and I can invariably find you a spavin. Thus we may see in all parts, or in one alone, spavin predisposed. If we carefully notice the peculiarities in connection with the entire formation of the hind extremities in trotting horses, and farther note the prevalence of spavin in animals of this class, we can very readily fix in our mind the structure of hock liable to the disease.

Not only is the animal more or less "cow hocked," but the whole limb takes a forward direction, that is, it has a tendency to reach far under the body, and no matter how large or coarse the animal may be you will generally find a spavined horse possessed of considerable trotting action. Another formation is that which is designated "curby hock," where the metatarsals are very small compared to the joints depending on them for support, offering but little surface upon which the lower row of hock bones can rest, often to such a slight extent as to allow them to project quite a distance, and instead of a gradual tapering from the hock to the metatarsal we often find them both forming an acute angle, but frequently we see hocks of this description never the seats of spavin, yet joints perfect in formation often spavined. In the former instance we are surprised, but in the latter case when we cannot trace the cause to other parts of the limb, we may attribute them to direct human agency. In the hock is located the power which propels the whole body forward whether the duty required be speed or draught, and considering the abuses to which our equine friends are subjected we need not wonder at the prevalence of disease no matter what formation of hock we find.

(TO BE CONTINUED.)

EXAMINATIONS OF MONTREAL VETERINARY COLLEGE.

The examinations of this College, which were concluded on Thursday, 30th ult., were of a very satisfactory nature, some of the students having attained a degree of proficiency seldom met with hitherto among the students of this profession.

The examination for first year students in Botany and second year students in Chemistry and Physiology were conducted by the Professors of McGill University, the same as the Medical, some of them in each class receiving a high percentage of marks both in written and oral examinations. The final examination of third year students was held at the Veterinary College during Monday, Tuesday and Thursday.

In Botany, eight presented themselves, seven passed; in Chemistry, six presented themselves, all passed; in Physiology, five went up and passed.

The final examination comprised Veterinary Anatomy, Veterinary Medicine and Surgery—including the diseases of horses, cattle, sheep and dogs, and Veterinary Materia Medica. Six went up, and, after a searching examination on all the subjects, succeeded in passing most creditably, and were admitted as members of the profession—viz.: Austin H. Baker, Dunham, P.

Mr. Austin H. Baker replied: "The Examiners—Mr. Waddell, Prof. McEachern and Prof. Smith;" "The Ontario Veterinary College," to which Mr. Coleman replied: "The Council of Agriculture," Mr. S. N. Blackwood.

Billiards.

THE MONTREAL TOURNAMENT.

W. JAKES, OF COBBOURG, THE WINNER.

The billiard Tournament which has been in progress since our advice of last week, was brought to a conclusion on Thursday evening, 30th ult. The playing in many of the games was much better than had been anticipated, and the general interest taken in the different contests was very great. Mr. Brand is entitled to much credit for his management of the whole affair. Mr. W. Jakes, of Cobourg, was declared the winner of the first prize and emblematic cue; Mr. J. Bennett, of Toronto, and Mr. S. P. Watson, of St. Albans, were tied for the second prize, and the latter refusing to play, the game was forfeited to the former who takes second; Watson, third; Mr. S. Jakes, of Cobourg, and Mr. J. Capron, of Paris, were equal for 4th place, and in playing off the former won, giving him 4th prize and Capron 5th; Mr. Monbleau being the winner of the 6th prize. As a matter of record we resume the summary of games played:

TUESDAY, 28TH.

S. Jakes, 800; Watson, 259. Winner's average 4.6; loser's 4. Winner's best run 42.

WEDNESDAY, 29TH.

Capron, 800; Goughier, 267. Winner's average 8.15; loser's 2.08. Winner's best run 87; loser's 18.

S. Jakes, 800; Monbleau, 287. Winner's average 8.37; loser's 2.66. Winner's best run 20; loser's 27.

Bennett, 800; W. Jakes, 281. Winner's average 4.47; loser's 8.44. Winner's best run 36; loser's 81.

Watson, 800; Capron, 127. Winner's average 6.12; loser's 2.59. Winner's best run 56; loser's 81.

THURSDAY, 30TH.

The playing was brought to a close this evening with a game between Messrs. S. Jakes and Capron for the fourth prize and an outside stake of \$200; 400 points. It was pretty close all through the game, but Jakes finished the winner by 24 points, the score being

S. Jakes, 400; Capron, 376. Winner's average 8.12; loser's 2.29. Winner's best run 15; loser's 27.

The following is a tabulated statement of the games played, won, and lost.

NAME	GAMES	WON	LOST
W. Jakes.....	1 1 1 1 1 1 0	6	1
Bennett.....	0 1 1 0 1 1 5	5	2
Watson.....	1 0 1 0 1 1 1	5	4
Capron.....	1 0 1 0 1 0 1	4	8
S. Jakes.....	0 0 1 0 1 1 4	4	3
Monbleau.....	0 1 1 0 1 0 0	4	4
Goughier.....	1 0 0 0 0 0 0	1	6
Derome.....	0 0 0 0 0 0 0	0	7

Watson forfeited to Bennett for second prize.

S. Jakes beat Capron in playing off the tie.

VIGNAUX AND SEXTON.

This match ostensibly for the championship of the world, but in reality something else, was played at Paris, France, on Friday evening last. Maurice Vignaux is a resident of Toulouse, France, and Wm. Sexton, of New York City. The match was won by Vignaux by a score of 600 to 459. Sexton made the largest run of the game, 129.

The boys of Wentworth School, Hamilton, have not been daunted by the present wintry aspect of the playground, but have organized a first-class foot ball club. The officers have been appointed, and all things made ready for a short and brisk season of work. Rugby rules have been adopted.

A Shower of Eggs.—A Niagara (Ont.) correspondent of the St. Catharines News sends that paper an account of a shower of goose eggs that he alleges fell in that historic neighborhood during a heavy snow storm last Monday week. He says hundreds of splendid eggs were picked up on a field near his house, and he says he intends to "set" a lot of them. He accounts for the phenomenon on the hypothesis that a flock of wild geese, going north, became bewildered in a storm, and were unable to reach their usual haunts in time to deposit their eggs in the orthodox way.

HARVARD UNIVERSITY VS. CANADIAN FOOT BALL ASSOCIATION.—This match has been fixed to take place at Harvard on Monday, May 8th. The Canadian team will be composed of nine representatives from Ontario and six from Quebec. The Hamilton Club will probably send

Amusements.

CITY.

The stock company is holding away at Mrs. Morrison's this week, and has produced Our Boys, Nicholas Nickleby, and From From. For to-night Mr. Grismer, the leading man, puts up his name for a benefit. The programme will consist of David Garrick, in which a leading amateur from Hamilton will appear in the title role; the new comedietta of Love and Rain, in which Mrs. Morrison takes part; and a local extravaganza of Around Toronto in 80 minutes, written by Mr. Allison, the prompter of the Grand, in which a number of local scenes and celebrities will be shown. Mr. Grismer has been a hard-working, painstaking, and faithful servant of the patronizers of the Grand, and they owe many a pleasant hour to his exertions. He possibly will have, what he deserves from his own worth, a bumper house, while the attractiveness and novelty of the bill should be quite sufficient of itself to attract a large house. On Monday evening Miss Mary Carr, the popular old woman, will take a benefit at this house, when a bill of extraordinary worth will be presented. She should have an over-flowing auditorium, if her popularity can be considered an index in volunteering a prophecy.

Mr. Barry Sullivan, the eminent tragedian, opens at Mrs. Morrison's shortly.

Miss Lucille Western puts in a week at the Grand Opera House, commencing May 2. A round of her well-known sensational characters will prove quite attractive to Toronto theatre-goers.

The Holmans commenced a short season at the Royal Opera House (French's) on Monday evening. Their initial bill was Giroffe-Giroffa, in which Miss Sallie Holman and Messrs. Ryse and Barton made their mark. For to-night they offer the ever popular opera of the Rose of Castile; to-morrow evening Fra Diavolo. A matinee to-morrow afternoon. From here they go to Hamilton, thence to St. Johns, N. S., where they will commence a season in the maritine provinces. Business has been good so far, which promises to continue to the end of the week.

Mr. Kennedy and family, the Scottish Vocalists, announce their last farewell at Shaftesbury Hall on Monday, Tuesday and Thursday evenings next.

GENERAL.

Our Buffalo correspondent says:—Miss Charlotte Thompson commenced an engagement at the Academy of Music, on April 4th, in the play of Maud Muller. The Two Orphans, which was to have been produced this week was put over until Monday, April 10th. On April 17th Mr. G. B. Rogers the stage manager at the Academy has his annual benefit. The Buffalo Bill Combination amused the lovers of the sensational at St. James' Hall on April 4th and 5th. Madam Bentz's Female Minstrels gave an entertainment on April 8th, and Haverly's Minstrels on the 11th. Numerous pleasing and varied attractions are offered at Shelby's Adelphi this week.

From our Hamilton correspondent we learn the Buffalo Bill combination opened in the Mechanics' Hall on the 28th for a season of two nights. Business fair.

The Hamilton Opera House Varieties succumbed to poor houses on the 25th. Part of the company reopened in the Canterbury Hall on the 30th to a fair business, the remainder will take a benefit on April 3rd in Mechanics' Hall to enable them to leave the city. Experience should have taught managers that a variety show will not pay here; no less than four persons have failed within the last eight months and left their companies in a destitute condition.

A week of legitimate business was commenced at the Academy of Music, Montreal, on Monday evening with Hamlet; Mr. Neil Warner as the melancholy Dane, and Miss Isabella Waldron as Ophelia; On Tuesday

To Correspondents.

We would particularly request our correspondents and advertisers to send their notices as early in the week as possible—so that they will reach us by Wednesday morning. We are unable to use many items sent us in consequence of not receiving them in time for the issue intended.

(No notice taken of anonymous communications or queries. No answer by mail or telegraph.)

M. W. Orillia.—Inspiration is by Warminster, dam Sophia, 5 years old. Her best race in the States was when she ran second to Countess, a mile dash, at Saratoga, on July 31, last year, which was won in 1:42.

Enquirer, St. Catharines.—Will order for to answer next week.

DETROIT HORSE FAIR ASSOCIATION.—This very successful association was organized in 1808, and has held annual meetings since that date, except in 1874. It joined the National Association in 1878, and continued its membership in 1879, though it had no meeting that year. The present officers are: President, George Jerome; Vice-President, Joseph M. French; Secretary, William A. Owen; Treasurer, Walter H. Coats. In 1875 this association gave \$10,000 in premiums at its only meeting, and will offer liberal purses this year.

FOR SALE.

AEROLITE.

By Astorid, dam Edith by imported Sovereign. Aerolite is a beautiful bay, 3½ hands, 6 years old; is perfectly sound, has plenty of bone, great muscular power, is a first class race horse, all disqualifications a mile in 1:45, and was made a valuable stallion after he was retired from the turf.

Also, chestnut mare, 5 years old, 16 hands, by Planter, dam Lindora by Lexington, in foal to Helmbold. Apply to

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THE THOROUGHBRED STALLION
HELMHOLD.

By imported Australian, dam Revolver by Wagner & Co. will stand this season at Montreal. Terms: Thoroughbred, \$20; half-bred, \$10. For particulars apply to

J. ALLOWAY, V. S.,
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ERIN CHIEF.

This well known colting station will make this season for a number of years at the stable of Mr. J. H. Thompson at Thelma.

Goose Egg, by Erin Chief, dam by Toronto Chief, by Toronto Chief, by the late Thomas Jefferson, and dam the Good enough mare by St. Lawrence, 3rd dam by Tippecanoe, dam by Kimble.

\$20 to insure. \$12 for season.

Apply to J. H. THOMPSON, Proprietor.

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Ontario Veterinary College.

Under patronage Agricultural College of Ontario for sick and lame horses. A. SMITH Veterinary Surgeon, Temperance St., Toronto.
The class for junior students will begin January 5th, 1876.

MONTREAL
VETERINARY COLLEGE

(In connection with the Medical Faculty of McGill University. Under the patronage of the University.)