NEW SERIES, VOL. VII.

MIRAMICHI, TUESDAY EVENING, DECEEMBER 5, 1848.

[NUMBER 6.

Agricultural Iournal.

From the London Farmer's Magazine. ON THE FEEDING OF FARM HOR-SES, FOR THE PREVENTION OF COLIC AND INFLAMATORY AF-FECTIONS OF THE ORGANS OF DIGESTION.

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The horse is at once the best adapted and the worse requitted animal subservient to man. Originally the most healthful, but now the most sickly of quadru-Peds, its whole life is a series of incessant toils, all tending to the personal gratifi-cation and positive gain of the possessor, and its death is too often occasioned by wanton cruelty or actual neglect. Nor is this ill treatment confined to any particular condition of man or class of horses the carr, the coach and the course anhually consigning thousands of the no-blest teeds to the dogs, at an early age, and under the most inexcusable circum-stances. There is, however, one descrip-tion of horses meriting particular attention, not only on account of its vast-im-Portance to the country, but also because of certain diseases to which it is much exposed, namely, affections of the stomach and bowels, to which horses employed in sgriculture and heavy draught are well known to be more subject than any other class whatever. And this will doubtless appear to many the more surprising, seeing that husbandry horses are of all others least at home, and consequently less liable be affected by the temperalure of different stables, or change of lood or keeping; and are generally suplosed to be regular in their hours of labor and times of feeding. Nor is these anything in the grosser habit and muscular form of the common plough horse, com-lared to those of harness horses, suffi-cient to account for this striking differ-ence of constitution, in the arbitrary dislinctions of breeds under which they are severely classified. The cause of this agamoly must, therefore, be traced to ome other source; and il the enquiry be fairly and fully prosecuted there cannot be a doubt that, in very many cases, those diseases will be found to originate in improper treatment of the horse under par-ticular circumstances; and resulting from that slovenly indifference to, if not cul-bable ignorance of such matters, with which too many agriculturists, and their acreants especially, are often chargea-

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To establish this point, as well as to form a right conception of the maladies in question, it is necessary, first, briefly to attend to the intestinal organism of the latest the content of the latest the latest the content of the latest the borse, as given by the highest medical authorities; otherwise it will be impossible to illustrate the facts of the case, or convey an adequate idea of the accuracy of the inferences deduced therefrom. Analomy shows that—" Of all creatures the lo its physical size. Had he possessed the quadruple stomach of the ox, he would bot be at all times ready for exertion: the traveller could not have his steed, and lesume his journey. The stomach of he horse is not so capacious even when distended, as to impede his wind and Peed; and the tood is passing onward with a greater degree of regularity than any other animal. A proof of this is, that the horse has no gall bladder.

Another peculiarity with the horse, the supply of fluid. When the camel drinks; the water is deposited in cells, connected with the stomach; but if the horse drinks a part of water, in eight toil. hules none of the water is in the stomach, it is so rapidly passed off into the large intestines." Let it also be borne in mind, that the whole intestinal structures of tures of the horse are of an equally peculiar form, and very sensitive in every bart; that the stomach, moreover, resis opon the large intestines: its forepart is close to the large intestines: its forepart is contact with the diaphragm, or midriff-one of the large of

breathing, besides performing many other important functions, by means of its connection with the other intestines. And thus in whatever organ, or from whatever cause, internal inflammation may originate, the immediate connec-tion or sympathy of parts soon conveys the disease throughout the whole intes-

Such, then, are the peculiar intestinal structures of the horse; and so rapid is the progress of a pail of water from the stomach through all the convolutions of the small intestines, sixty feet in length, at a moment when these sensitive teguments, and all around, are probably at a temperature more than double that of the liquid they can contain. What but spasme, inflammation, and death can await the poor horse, unless very prompt and efficient remedies are applied? Wet, green food, given in quantity, under similar circumstauces, will produce the same effects upon horses, heated and exhausted by previous hunger and fatigue. This almost every post-master and groom well knows, and studiously endeavors to avoid; and surely the farmer ought also to be equally aware of, and guard against it. Yet he complains of the loss of one and another of his best horses, by some hidden sickness, which he cannot account for; not, until too late, discovers that the horse, having returned from his last day's work covered with perspiration, or shivering under rain, was led to the water pond, plunged in, and drank his fill, then put into the stable, and served with such provisions as came to hand, fresh or fusty, and left for the night, without a single hair being souched with wisp or comb. The servant may also be young and inexperienced; but why is he intrusted with horses, or not properly instructed in the first principles of his duty towards

There are other causes of an opposite character, where, from the propensities of the servant, in mistaken kindness to the horse, or even with the consent of the inconsiderate master, horses are served with corn unseasonably, or in excessive quantity, or of unsound quality. Stomach Staggers" soon ensue, and instances might be related of horses dropping down dead in the yoke in this state--the stom-ach having become ruptured by the over distension or swellings thus occasioned, either from two full a feed of any kind, or partaking of food of an improper nature, or even drinking an excessive quantity of cold water, and then put to severe exertion. A case of this descrition came under the writer's notice very lately, where a valuable farm house, in high health and condition, having, in the throng of seed time, been served at mid-eay with a quantity of bean keavings (chaff), or a mixture of the bruised beans and leaves, of which horses are very fond, and, though naturally flatulent, are quite sale as an evening or an idle day's foddering; but being in this instance given immediately after a feed of oars, and the horse having there after obtained his pleasure of water on ed many boutings with the harrows when he showed every symptom of excruciating pain, and, in a little more than two hours died in the greatest agony, of a ruptured stomach. And in another instance, a mare, with a voracious appetite, having depastured the night in a field abounding in white clover, very ripe and parched with dry weather, on being next morning taken to a cold spring, drank a great quantity of water, was then put to the plough, where she shortly became very unwell and on being taken to the stable was dosed by an ignorant blacksmith, with spirits, ginger, and pepper, until inflammation of the kidneys supervened, and death ensued. Horses have also been known to die of inflammation of the bowels, from eating new-washed raw potatoes, when warm from the

In addition, however, to such casualities as these, there are other latent sour-ces of disease arising from the mode of contact with the diaphragm, or midriff—
one of the most important muscles of well as the manner of supplying it. The

the frame, and the principal agent in small farmer in particular, generally throws the straw into large niows or heaps, on low, damp floors, where it be-comes musty; or stows in the confined lott of a crowded stable, where funigat-ed with the exhalation from beneath, the empoisoned mass is dealt out to the devoted animals, who thus become the innocent victim of various diseases, if not of subsequent destruction. Or, if a por-tion of the food is builed or steamed, it often wants the most essential ingredient of the whole, a proper quantity of sait; so that the mess is probably sour ere it is administered, or immediately becomes so

Then there is the half-rotted, frostycut clover, or aftermath at the close of autumn, so pregnant with danger to the farm horse, all of which dangers the harbess horse escapes, by a more uniform course of keeping. The latter is chiefly fed on corn and hay, and is regularly supplied at intervals of three or four hours at most, according to his work or stages; while the farm horse has his con-secutive yokings extending to ten or 12 hours a day, often more, with but little intermission for bating or rest: has less corn, and in general subsists nearly twothirds of the year on coarse fodder (oat or bean straw), which fills the stomach without affording much real nourishment.

Let it not, however, be said that the fresh straw of the common crops of the farm, together with the customary feeds and mashes duly served, are insufficient, to maintain the horses in proper condition, under ordinary circumstances, without the aid of much or any hay. Nothing is so easy and obvious than to prepare the food of horses in a proper manner, although it certainly requires some care, activity and arrangement, on the part of both master and servant. If, for example, in commencing with the fodder of the new crop and until the system of steaming becomes more general, if the new straw were mixed with some sweet dry straw of the previous season, or sprinkled with a few handfuls of salt, as it comes from the thrashing floor, it would greatly promote the health of the horses, as well as of the other stock, and provident farmers always reserve one or two stacks of corn or pulse, for the purpose of being so mixed or used alone, till the straw of the new crop becomes seasoned by a few weeks in the stack-as peas or beans, beans especially, are very flatulent, if taken new or in a soft state, but excellent fodder thereafter, and are much relished by horses accustomed to it. And when the leaves, pods, and chopped stems, or chaff of beans and the tails, or small corn from the winnewing-machine, are mixed and boiled, or steamed, together with some turnips or potatoes seasoned with salt, and given luke-warm in lien of oats to the jaded horses, as they return in the evening, the henefits are apparent in the plamper form and glossy coats. It is by means of such mashes, or by combining the corn with the chaffed hay, that old and weary horses are enabled to masticate so easily, and lie down more readily to repose; while others must stand several hours gnawing their ill-suited ration, or hastily swallow it in a crude state to svifle the cravings of hunger, and then lie down to

Carrots and Swedish turnips, well cleaned and dry, may safely be given in an unprepared state, when the borse is cool, and not attenuated with warm food; and the second crop of clover, if early made into hay, and slighly salted, with or without a mixture of old hay or straw, might be made greatly more available for all kinds of stock instead of remaining uncut till late in the season, bleaching under every change of weather, and then giv-en to the horses in a half-rotted green state.

These remarks may suffice to show that the causes here assigned, as indusive of the maladies referred to, are not gratuitously assumed and that the subject really claims the immediate attention of all interested in the preserving the health of the horse. The means of preventing such diseases are therefore the more obvious, inasmuch as the cause and ef-

fects are thus placed in juxtaposition ; pari rationi, the remedy must be apparent, and prevention more meritorious than carc. In place then, of presenting a pail of cold water to a warm horse, a little tepid water should be substituted—the mouth being previously washed, and freed of coagulated saliva, with cold water, and the horse stripped of every encumbrance, carefully rubbed down, and allowed to stand picking at dry hay or straw till cooled, before any cold water or corn is given him, or he be turned out to pasture. For not more grateful is a change of raiment to the dripping teamsman himself, on escaping from the drenching rain, than is a thorough cleaning from mud and sweat to his smoking steeds, just relieved of their weary draught. Yet in nothing are farm servants in general, more negligent; nor are those men otherwise to be taught but by the watchful superintendence and strict discipline of the master, seasonably enforced—not merely in the uniform treatment of the horse, in and out of yoke, but to the state of the stable, which can hardly be too clean or over ventilated—a point almost wholly overlooked on many farms. How many districts may be traversed without seeing districts may be traversed without seeing a single roof-ventilator, or even a hole in the wall of the scable or cow-house! It is well to have separate houses for the provender, as contiguous as possible to the stable, but not connected with it by any party door, or hatch, which never fails to act as a conductor of the heated atmosphere of the stable into the connected apartment, in the same way as it passes through the racks and crevices into the stable loft, which is often hotter than the stable itself, especially under a tile roof. Such a plan would supercede the use of high racks, so awkward and unnatural to the horse, and so wasteful of his food; while he, with much greater convenience, could feel either standing or lying, from a manger or sparred crib, one angle of the stall, with a corn box in the other.
Of the best mode of curing inflammato-

ry complaints, it were superfluous here to treat at length, as it manifestly must tend to a still greater aggravation of an evil already far too extensive, were every farmer in each intricate case to become his own farmer, without any tuition, and but in possession of a few recipes, or certain potent medicines, the properties of which he neither understands nor can properly administer. And greviously, indeed, would the patronage and funds of the Highland and Agricultural Society be wasted, in the establishment of a vetrinary college under an able professor, should any one, farmer or not farmer, decline the inestimable boom of obtaining the assistance of a competent vetrinatian provided ance of a competent vetrinarian provided for them, and now in progress of being placed within the reach of the remotest cottage in Scotland. No; the farmer has suffered enough from his own apathy, and the quackery of common blacksmiths who must needs pretend to the vetrinary art, and whose pharmacopæia almost exclusively consist of stimulating drugs. Every dirorder was termed " bots;" and worms, bots, and colic were confounded together and treated alike.

Science, however, has now happily ex. punged "bots" from the vocabulary as perfectly innocuous, and found other and safer vermituges than these formerly resorted to.

Let the farmer then, simply attend to the first symptoms of disease, and minutely investigate every particular relative tothe animal's situation, work, food, and drink, during the preceding day or night. A knowledge of all these is indispensable to a discrimination of the complaint; and if servants will tell the truth, or whether they will or no, the real cause may frequently be discovered by the farmer himself, and thereby greatly facilitate the cure. Meantime, il need be, four to six quarts of blood may be taken, according to condition, from the horse, in almost every case of sudden indisposition; or, should it prove to be a spasmodic colic, two to three ounces of oil of turpeatine, added to a piot of warm ale or gruel will generally afford instant relief. But farther than this no one should venture