ment in bringing about unhealthy conditions. For injecting them to exactly the same treatment in every the consequent evolution of noisome gases. others maintain perfect health. Now of course this of the stomach or from defective mastication, the result of bad teeth, the process of dentition, or from the habit of greedy feeding. Such an example as this is frequently seen in a veterinary surgeon's practice. may be cited in the peculiarities of formation of limbs and carefully guard against it in making a selection of hor effesheither for work or breeding purposes. Unfortunately there are not ill-shapen limbs to warn us of an innate tendency to bone diseases existing in particular-ubjects, which have inherited a taint of body. Although no fault can be found with the shape of limb or form of bone in some cases that show this tendency, yet in the great majority of cases there are some defects in these points, or in other words, they are a usual accompaniment of this indescribable disposition to develop these bony affections. Weakness of constitution, as shown by external form of an animal, although not pointing to any particular o.gan or group of organs as likely to become the seat of disease, evidences an inclination to numberless ills, the nature of which will depend upon the existing cause. In horseflesh, the form so much to be avoided, is portrayed as follows. Narrowness and shallowness of chest, short hind ribs, weak flank, confined loin, thin neck, split up quarterns, round bone, small joints, long-backed, longlegged, washy-colored, coarse-skinned and flat The same defects or modifications of them footed. are often seen among horned cattle, and confer a like tendency. Diseases as well as defects or a tendency to disease are transmitted from parent to offspring, no better example of which need be mentioned than the form of consumption so common in horned cattle.

Extrinsic causes of diseases may be defined to be the healthy standard in the animal economy. There it is acknowledged to be so or not. are a great variety of these.

live, ordinarily termed the air, should be as free as, there is frequently a want of thrift not to be justified possible from impurities, for the atmosphere has very by lack of food, and consequently there is loss susimportant duties to perform in keeping the blood in a tained. healthy condition. Every animal, in the process of These bank barns are in many cases marvels of con-breathing, keeps contributing poisonous materials to venience, but are often not as wholesome as they the air, so that if a fresh supply of pure air is not con- might be. One often sees on opening the doors of tinually provided, by proper centilation, these noxious one of them, steam rushing out like out of the cent of matters accumulating have a more or less evident de- a steam engine, which shows there is far too much leterious effect, which shows itself most conspicuously dampness. Although a moderate amount of moisture when any disease or injury exists, aggravating and in- is beneficial, yet anything like wetness is detrimental, tensifying them, and then rendering what is usually the ill-effects of which will be felt if the doors are alsimple and benign, serious and fatal. The baneful lowed to remain open in the morning, which is genereffects of impure air are markedly noticeable in stran- ally the case. It will be opportune here to draw atgles or distemper in horses, which disease usually runs tention to the custom of letting animals out during the its course in a week or teri days, but if the surround day. Of course, this is both necessary and beneficial, ings are unfavorable, or the ventuation bad, serious so long as it is properly done, but if not managed in results follow and greatly complicate matters. air of a building is also contaminated from the accu- from personal experience. In most cases the plan is mulation of filth in the form of liquid or solid manure, to allow the cattle to run out for from one hour to the the JOURNAL. If there is any one feature of it reand the slovenly habit of allowing the excrement to greater part of the day. Now so long as they are en- garding which we have a greater anxiety than an-

week results in poisoned air, particularly when the stance, the owner of half a dozen cows, who is sub- temperature is high, which favors fermentation, and respect, is annoyed by one of them bloating, while the crowding also brings about the same condition of unwholesomeness, every inhabitant contributing its cannot be attributed to anything else but a weakness quota of impurities; therefore sufficient space admits somewhere in the animal affected, either from inability, of the dilution of the harmful emanations so that their activity is lessened. The difficulties in the way of keeping the air pure are, that the temperature must be of a suitable degree in order that animals inhabiting the building shall be comfortable and not subjected to Another example, differing somewhat from the one draughts. It is an easy matter to keep up a supply just instanced in predisposing an animal to disease, of fresh air by opening the doors, but it is incompatible with health and results in a loss of food if the in horses, placing these members at a mechanical dis- temperature is below 45° fah. for cattle and 55° fah. advantage, as sickle-shaped hocks becoming curly, or for horses. Although cold is itself injurious, when it too oblique, or too upright pasterns becoming the falls with force upon an animal body, as it does in seat of ringbone, even before the possessor of them draughts, it is extremely likely to produce disease of has been put to ordinary work. Those experienced in a congestive or an inflammatory type. In order to atsuch matters recognize this as an unfortunate influence, tend to these principles, and have pure air, we must so construct our building as to admit this important element of health in such quantities as not to dangerously lower the temperature nor produce a draught. In bringing this condition about, the inlets for the pure air should be somewhat numerous and their calibre not more than a couple of inches; they should be situated as far as possible from the animals in order that the freshly introduced air may be diffused and mixed with that already heated, thus not perceptibly lowering the temperature. The outlets for removing the impure air should be near the bottom of the stable, not communicating directly with the outside, for there they would act as inlets, but forming the entrance to pipes which pass up to the ceiling before they discharge their contents, thus acting in the same way as a fire place or stove. Where holes in the roof are left, the warm air is rapidly got rid of, for it being lighter than the cold ascenu- and escapes. I am not in a position to submit a plan for ventilates in sposes, which would be applicable to all building , but attention to the principles described will ail in bringing about a proper sanitary condition. Some r.y think this subject unworthy of much attention, and that the only efforts necessary are to keep animals warm in the winter. To those that have poor and ansubstantial buildings this is of course the chief concern, but to those who house their stock in bank barns, and especially where there are many of them in the same comany influence acting from without that tends to lower partment it is a matter of much importance, whether

Although there may be no decided manifestation of First and foremost the medium in which animals disease in many cases from improper ventilation, yet

The , a rational manner harm results, to which I can testify

selves, benefit is being derived from the change, but as soon as this ceases-which it generally does in 15 or 20 minutes-chilling begins, and harm is being done, and the ill-effects are to some extent proportionate to the excessive warmth and dampness of the stable and to the degree of cold outside. When the sun shines brightly on the animals and the cold wind is broken by some protection, there may be advantage in extending the time somewhat. But it is against the freezing-out process that anyone can see going on in half the barnyards of this country, that these remarks are particularly directed. In summing up, we may say, that the attributes of a healthy stable are purity of air, sufficiency of warmth, absence of dampness, and, last of all, but not of minor importance, is plenty of light. Light is essential to the health of all the higher forms of life as well to the lower. It exerts a vital influence of some sort necessary to the proper development of the blood. Only view the plant that is almost continually sheltered from the sun; the person whose employment is indoors, and it will lead to the conclusion that light has an action on life, and that a beneficial one. It would seem as if most of our stables in this country were designed especially to elude it.

(To be continued.)

## Fitting Animals for Exhibition.

EDITOR CANADIAN LIVE-STOCK JOURNAL

DEAR SIR,—In the July number of the JOURNAL see an article on "Shearing Sheep for Exhibition." I was rather astonished to see it there without any comment from the editor. Surely there is already too much deception practiced by exhibitors without having such work openly encouraged through an agricultural paper, especially one that has earned for itself the high moral reputation of the JOURNAL. The open encouragement of the thing is bad enough, but the statement that one who cannot shear a sheep so as to hide its defects and make it appear :better than it really is, is not fit to be a judge, is simply unbearable.

In looking over the prize sists of the different Ontario exhibitions, I see there are no restrictions in regard to shearing, and exhibitors will no doubt make good use of the privilege. I know flocks that are being fitted for show, that now carry on their backs most of Lst year's wool; and as the time for exhibition approaches they will be blocked into shape to attract the eye of the people. In looking over the lists of several American shows, I see they require sheep to be clipped close to the skin not earlier than April 1st, and any that have been blocked so as to conceal defects, will be excluded from competition.

I think the system of judging from points would be a great improvement over the present hap-hazard way. It would then be necessary for breeders to adop' a standard of excellence, as has been done by the American Shropshire Registry Association, a copy of which I enclose, which may be of some benefit to judges of that breed at the coming exhibition.

Judges are too apt to be carried away by size. This should be guarded against, especially in young animals, when the age is not known. At one of our leading shows last fall a shearling Shropshire ram was shewn among the ram lambs and was awarded first prize; and although his face had the appearance of a shearling, the judges did not think of looking at his mouth. Doubtless such blunders seldom happen: At another show one judge was heard to remark to another that he was judge on Southdowns, but that he really knew nothing about the breed. Better have only one good judge and pay him for his services.

Youry truly,

JAS. GLENNIE.

Guelph, July 18th.

Mr. Glennie stirs an important question when he touches upon the moral aspect of the practices referred to in his letter. We thank him for the compliment he has paid us in reference to the character of remain in boxen stalls from day to day or week to gaged in drinking, frisking around and enjoying them other, we think we are safe in saying that it is its