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preceded them.) We may from many circumstances have our suspicions aroused, that some one or more among a lot is affected, but as far as I am aware there are no sure symptoms which would enable us to come to a direct conclusion. I know at least that this is the case among the dairy stock in Edinboro'; even their constant attendants rarely rentark anything unusual about them, until the disease is considerably advanced, and I have even in some instances, although happily they are rare, known one animal to be in the last stages, before anything like serious attention was paid to her case, so apt are their owners to attribute diminution of the appetite and milk to something trivial.

Amongst the very earliest of the symptoms, there is a disposition to restlessness, the cow moving from off one fore foot and resting her weight on the other alternately, and the urine diminished in quantity and much higher in color with a strong disagreeable odor; in unfavourable cases this condition of the urine remains all through the lisease. If on this appearance of the urine, some of it be collected and tested by some competent person, and there be found to be an almost or total absence of the chlorides in it, we would be warranted in suspecting that some inflammatory disease of the lungs existed; our attention would at least be drawn to those organs requiring a careful examination. The urine is generally observed to be unusual like, just a few days before the animal begins to shy her food. They loss their appetite generally gradually at first; if they leave off feeding all at once, which they sometimes do, it is an unfavourable symptom, such cases generally running their course rapidly and fatally, and more especially if the same is observed of the milk. The udder at an early stage of this discase is very hot, the teats unusually so, and pamfal. There is a falling off of the yield of milk, but as I have said above, if it is suddenly suspended we have reason to apprehend the Maay cows continue to give milk all worst. through the disease, even although they are not eating much, which is a favourable symptom, indicating a good constitution, and a tendency to an early return to health. The animal now appears dull and listless-back slightly arched and head poked out; the hind legs are brought forward beneath the abdomen. Many attach importance to the animals flinching on being pressed along the spine. This, however, is never a symptom of disease amongst dairy cows, as almost any cow in health will do so. The withers are cold; irregular heat of the extremi-ties and cars, the former usually inclined to be cold; the eyes are unusually bright and injected; there is a knuckling of the hind fetlocks frequently observed in the earliest stages, indicating inflammation of the pericardium and pleural membranes within the chest; rumination is suspended; the forelegs are posed, with the toes inwards and elbows outwards, to assist respiration by affording increased chest room. The

respiration is short and hurried, averaging first from 30 to 40 acts per minute; pulse first hard and quick, averaging 76. Both t respiration and pulse, however, quickly change the former become heavy and oppressed, and companied with a characteristic grunt at the expiration; this sound is also produced h pressing the cow over the intercostal space and it indicates the adhesion of the pleural the inside of the ribs. The pulse, at first he and quick, changes to a quick weak pulse, wi which change we generally have emaciation the nostrils are expanded with a muco purely discharge issuing from them. Cough is get ally present, but it is not always a sympto-At first it is dry and husky—latterly becomi short, hacking, and painful. The dung at is inclined to be dry and hard, and deficient quantity; as the disease advances it also chang and we have diarrhoea present; this at an exstage of the complaint in young cows, and wh other symptoms are favourable, is said to be good symptom; but where it comes en lat from the presence of fermented food in ! stomach and the impoverished poisoned state the blood, it is a very bad symptom.

These, the usual prominent and most imp tant symptoms of pleuro-pneumonia, now dually become more aggravated as debility: This is well marked in the stagger in. crouching gait, the extreme emaciation, or sional shivering, and weak tremulous p There is now in most cases gaseous disten of the first stomach, and an apparent bulg out of the thoracic walls, the belly tucked skin yellowish and adhering closely to then the surface of the body is cold, she grinds teeth, and there is a discharge of saliva f Along with a distension of the mouth. stomach, we have frequent eructations of up the cosophagus. This is often presen. the early stages, and is a good diaguostics, tom.

Unlike the horse, cows afflicted with this ease will lie down; but this is accounted h the difference in the anatomy of the partsbroad flat sternum and a peculiarity on lower articulation of the ribs, admitting reof lateral expansion of the chest. If one is affected, she will lie upon it or towardsi as to free the other for respiratory purposes; if both are affected, she will either stand o upon the sternum, and occasionally on side alternately. Auscultation is in this in a valuable aid in enabling us to form a co. diagnosis, but it can only be practiced by t conversant with the healthy and unha sounds of the chest, or by the scientific Ve. arian-although I know many men, who long and dearly bought experience, can at tell an animal afflicted with this disease, 2 from the symptoms I have given, and wi at all studying the condition of the lungs.

The ducation of the pleuropneumonia, much in different cases, according to the