

GOSSIP

BOVINE TUBERCULOSIS

in man, with still no satisfactory con- ment. without more definite data, to say or vet been satisfactorily determined. that an animal may be extensively tions." symptoms than when other organs are in males. ease may exist for months or years, but empt, and in many cases no symptoms observe what is called muscular tuber- action in a diseased animal. After at any time the progress of the disease are shown to lead a person to suspect culosis, in which the nodules are located (Continued on page 823)

may become more rapid; the frequency its presence. Repeated attacks of in- in the muscles or in the areolar tissue and hacking character of the cough be- flammation of one or more quarters of under the skin. come more marked, the animal becomes the udder, attacks which usually yield often noticed on the legs of cattle, and unthrifty, and gradually pines away, more or less readily to treatment, only cause practically no inconvenience. The until death occurs. It must not be to reappear in a variable time, without only method of diagnosing the disease assumed that every animal that coughs appreciable cause, must always be in cases where clinical symptoms are occasionally is tubercular, but we are looked upon as very suspicious. Usually, not well marked is by the tuberculin quite justified in suspecting the disease in after a few attacks, and not infrequent-test, details for which have frequently So much has been said and written the an animal that coughs frequently, or, I ly after one, the udder does not regain been published, but it may not be unast fifteen years or more about bovine might say, occasionally, without show- quite its normal condition, but a por- wise to report. Tuberculin is a product tuberculosis, and its relation to disease ing any symptoms of physical derange- tion becomes indurated (enlarged and of the bacilli of the disease, in which clusions reached, that it is not possible, eased, but no suspicious symptoms cause a noticeable alteration in either At the same time, when this product will be noticed until the organ is so ex- the amount or quality of the milk, gains the circulation of an animal in write anything not already discussed, tensively diseased that its functions but as the induration increases, the which tubercular bacilli exists, it At the same time, the subject is of such are materially interfered with when quarter (or quarters) involved becomes causes constitutional disturbance, which vital importance that we may be e_{x} -cused for touching it again. That the Digestion under these circumstances is of milk becomes lessened, and in some turn called a "reaction". The pure tudisease is very common in both cattle generally irregular. Periods of semi cases entirely suspended; while, in other berculin is diluted with about 9 parts of and man, is an established fact, but the or acute diarrhea are alternated with cases, suppuration is set up, pus, in- a 1 per cent. carbolic acid solution is related to make the or distilled water before it is ready for use. attacks (without apparent cause) of teats, and in some cases abscess aftre This, of course, makes a 10 per cent The symptoms of bovine tuberculosis bloating, or impaction of the rumen, abscess, which abscesses often refuse solution of tuberculin. The cattle are so insidious that the disease may are noticed. These attacks will gener- to yield to treatment, are formed. In to be tested should be treated as usual are so insidious that the disease may are noticed. These attacks will gener- to yield to treatment, are formed. In to be tested should be treated as user exist, and in very, very many cases does ally yield to treatment, only to re- the meantime, the portions of the so far as ordinary care and feeding etc. exist, without causing the slightest appear, with like or more violent symp- udder not involved yield a normal are concerned. Their temperatures symptoms that would lead any per-toms, which may or may not yield to quantity of milk, of apparently normal should be taken occasionally before the treatment, until eventually a fetal quality and the average to the treatment. symptoms that would lead any per-son to suspect it. As any organ is liable to be the seat of the disease, and as the disease is usually slow in de-veloping, and no clinical symptoms will be shown until the organ or organs will be shown until the organs but the same remarks apply, viz. "no above symptoms, or any symptoms, to shoulderblade, but in makes little involved are diseased to such an ex- suspicious symptoms will be noticed indicate that such disease exists. It difference where, except for conventent as to interfere materially with their until the organ is sufficiently diseased is also supposed to be possible for a cow ience) is disinfected with, say functions, it can readily be understood to materially interfere with its func- to have a diseased udder, and at the per-cent solution of creolin, and then that an animal may be extensively tions." The urinary or the genital or same time yield and the per-cent solution of creolin, which has diseased without showing any symp-diseased as others, are liable to an at-that the bacilli of the disease generally solution, the dilute tuberculin is in common form of the disease in cattle tack, and disease of the latter is without are present in the milk of a diseased jected. For an ordinary sized cow, 60is pulmonary tuberculosis, and this doubt the cause of sterility in many index. It is also addirect the disease diseased by the deseted be reguis pulmonary tuberculosis, and this doubt the cause of sterility in many udder. It is also claimed that the drops is the dose, the dose to be regulated by here in the much structure of the stru form more quickly causes suspicious females and doubtless, sometimes, also bacilli have been discovered in the milk lated accordingly, if the animal be symptoms than when other organs are in males. symptoms than such order organs are attacked. When the glands of the So far as danger to the human family healthy, but this seldom occur throat or the lung substance are the is concerned, tubercular disease of the seat of the disease, a dry, hacking udder of the cowis probably the greatest. In addition to the organs name cough is frequently heard, but in other This organ is, fortunately, not so free other organs, as even the bra respects the animal appears to be per- quently involved as some others. At spinal cord, in which tubercular de an earlier reaction, but a very snall feetly healtay. This stage of the dis- the same time, it is not by any means exposits are found, we not infrequently dose will just as surely cause the rease may exist for months or years, but empt, and in many cases no symptoms observe what is much and infrequently dose will just as surely cause the re-

The liver is frequently dis hardened). This at first does not the life of all bacilli has been destroyed

These nodules are

Founded 1866



"no above symptoms, or any symptoms, to shoulderblade, but in makes little The urinary or the genital or same time yield non-infected milk, but with a hypodermic syringe, which has of a tubercular cow whose udder is young, or small, or above the usual healthy, but this seldom occurs. At size. At the same time, experienced the same time, the damage aviate

other organs, as even the brain and sult. A large dose will probably cause

teaches us that the amount of tuberculin In addition to the organs named, and injected has little effect upon the re-