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prominent ring or band, extending round the foot, and covered with very large papillæ. the wall grows, and injuries to it are followed by serious defects in the horn. Not only do such easily-recognized conditions as "sand crack" and "false quarter" follow injuries to the coronet, these columns was devoted to the discussion of the columns was devoted to the columns was devo but all the defective qualities of horn, such as are found in dry, brittle hoofs, proceed from the Growth of Hoof.—The wall grows downward may even produce deformity. Remembering this, horse-owners will understand how necessary it is that no shoes should be worn more than about a

> relative position to the limb. often injured by being allowed to run in yards off the cold earth, with water and salt, with grain is a bush near, the pen can be made much cheaper. or small soft pastures where the hoof is not na- depending upon the object to be gained, cattle turally worn down. grown and disproportionate that the limbs are than they do in ill-ventilated dark stables injured and joints twisted permanently. Even foals should be attended to by the farrier when their hoofs become overgrown. No paring is necessary. All that is wanted is the removal of the excess of wall with a rasp. This necessary time is right here for others who think attention would frequently make all the difference steers this winter to get in their bunches. between good feet and limbs, and bad ones.

month without the superfluous growth of horn be-

ing removed from the hoof. Farm horses, in idle

seasons, are often grossly neglected by being forced to stand in shoes attached to hoofs so over-

feel to the exposed surface. This sensitive layer, known to farriers as "the quick," is bountifully

where the hair meets the horn-the part called by

horsemen the coronet—is a very important struc-

ture, seen when the hoof is detached. This is a

supplied with nerves and blood vessels.

Cartilage.—It is unnecessary to enter more into detail as to the anatomy of the foot. Within the sensitive layer just noticed are the bones, and attached to them the tendons which move the limb in progression. There are two structures, however, which must be mentioned. front and sides of the hoof, but towards the heels is replaced on each side by plates of gristle or cartilage. This elastic material can be felt at the inner and outer sides of the coronet through the skin of the living horse. When diseased and converted into bone it forms the so-called side-bones, which sometimes cause lameness, and always destroy the natural elasticity of the foot. These cartilages, replacing bone at the back parts of the foot give resiliency to the hoof, and so of the foot, give resiliency to the hoof, and so prevent concussion.

of the frog. It there divides into two processes the time the yards are completed, but it will lambs from the Hampshire Down flock of H. C. which extend nearly to the heels, but leaving between them a large space which is filled by a pad of elastic material, over which the frog rests. This arrangement permits the frog great freedom This arrangement permits the frog great freedom of movement, and gives to the back portion of the hoof the special feature of elasticity so necessary to its function of breaking concussion when the in buying. foot comes to the ground during progression. The front part of the foot, by the thickness and hard- that is objected to in many quarters, is that they flock of Col. Le Roy-Lewis, ewes sold from 60 ness of the wall, and by the rigid basis of bone are to be under the control of the railroads. to 81 shillings each. At the sale of the Tarrant within, is specially fitted to sustain the strain. The railroads, it is claimed, should feel under flock of Mr. Chas. Bugg, ewes sold up to 112 which is placed upon it when the too taken the which is placed upon it when the toe takes the weight of the horse, as it does in all forward The back part of the foot, by its movement. thinner and more elastic horn, by its prominent and soft frog, and by the partial substitution of cartilage for bone as its inner basis, is specially the yards can be kept more sanitary, charges more Mr. Treadwell paid £58 16s. for one, and another endowed for receiving its first impact with the reasonable, and other desirable conditions secured brought £48 6s. Messrs. Treadwell's average ground during progression. That the foot may if the control be vested in a separate unrelated at their annual sale was £16 3s. 6d., as compared preserve its functions intact, the hoof must be company, or in the city council. But it seems with £22 17s. last year, highest price this year maintained in its best form. No parts must be to us a lot of trouble is being met more than half £48 6s. Suffolk ewes at the annual sale proportionate. have its sensitive portions injured, and a foot may so destroy the balance of the limb as to to see that the railway companies will serve their 200 shillings last year. The total consignment cause grave lesions, resulting in lameness.

was run at Doncaster Moor on the 9th, and was musically to some ears, but the best development will advertise as the manufacturer and business won by J. B. Joel's horse, Your Majesty, by Per- of any industry cannot be reached where the man does in the paper devoted to their interests immon, dam-Yours.

putable firms.

what he has to sell. Patronize him. Our advertisers are reputable.

STOCK

Discussions on Live-Stock subjects welcomed.

winter feeding steers outside. The experiences coronet. So, also, do the rings and irregularities of several feeders were given, and illustrations of dollar a bushel out of it, and if it is not frozen, winter fed steers published. The conclusion of chop it, anyway it will still be worth a dollar the whole matter was that with the shelter of an a bushel. This is a good country to grow peas. from the coronet at the rate of about an inch in ordinary thick bluff, and a reasonably available Sow peas and oats mixed, cut them with a binder, three months. It is constantly growing, and, supply of water, steers can not only be wintered chop the grain and feed it to the pigs. It is a when protected from wear by a shoe, soon causes in confortable condition, but flesh can be added, great help if a few cows are kept, milk starts a disproportionate hoof. If allowed to grow, it and the cattle turned off in the spring at a profit, young pigs off well. Remembering this, This system of outdoor feeding first received publicity through these columns during the fall of he can build very comfortable pens for them with won over to it. The system is one that has come feet high, leaving cracks between the boards just to stay. In our dry climate, cattle that are so wide that a pig cannot get out, cover this gradually accustomed to low temperatures, over with straw, build another pen behind this grown as to place the foot quite out of its proper experience no discomfort when the thermometer three feet high, fill it with straw for the pigs to Young horses that have never been shod are cutting winds with plenty of straw to keep them pens, and pigs can be kept in comfort. If there

Farm at Brandon has secured his supply of steers clover and rape, which will all take work, but a for the second test of outdoor wintering, and the man can't be happy without work, and Western This necessary time is right here for others who think of feeding Canada is no place for the "waster.

The New Union Stock Yards.

Confidence in the cattle business has increased the last two years. Not that the average farmer in the grain belt has made money out of cattle The chief feeding, although many have, but the continuous bone of the foot—the coffin bone—which gives the general form to the hoof, does not extend throughout its whole interior. It forms the basis of the hoof but towards the heels comparatively short supplies throughout the finds that an all-corn ration is not good for grownature that the railway companies are preparing digest, and digest more than he can use. The Frog.—If we examine the under surface of to facilitate it by providing more convenient stock the foot, we find another provision against jar, yards at Winnipeg. This will not mean that for, whilst the sole rests upon a bony basis, the producer will receive more for his cattle as a frog does not. The body of the coffin bone only result of the new yards being built, although it extends backwards to about an inch past the point is quite probable that prices will be higher by fairly successful. The first draft of sixty ram

own interests by giving their best attention to of 96 averaged £4 18s. 11d. the stock trains and as for internal management, we know of no other institutions so well able to the live-stock interests will be advanced, in the mood opinion of it. I place my advertising on surest and quickest manner, by the plan to the state basis. I used to think that I did not receive

Frost or no Frost - Raise Pigs

EDITOR FARMER'S ADVOCATE:

I see in the FARMER'S ADVOCATE of August 26th a man in Saskatchewan wants to know what he should do in a district where the crops are frozen every year. Well that is the easiest thing in the world-grow pigs, just pigs, hogs, these four legged animals that make two hundred Last winter and spring considerable space in pounds at six or seven months, and kill out for good human food. If his wheat is frozen, chop it, and feed it to these pigs and he will make a

This farmer need not build expensive pens, but 1905, and since then several proselytes have been very little lumber. Build a feeding pen eight goes down far below zero. Sheltered from the sleep in then have a passage between the two

Many a mortgage has been paid off with pigs. Their feet become so over- come through winter in much better condition If this farmer lives near Regina he can sell more hogs than he can raise. Of course in summer he Already Mr. Jas. Murray of the Experimental will need to provide green feed such as oats,

D. O. C. Laing, Sask.

Pointers for Hog Feeders

A three-hundred-pound hog at eight months of age, is the ambition of Prof. Dietrich, who is conducting an extensive series of experiments in ecold world markets for fresh meat, and to the but, all the same, the results are interesting. He world. It can in no way be traced to the better ing pigs. Up to the age of six months, which is to

English Sheep Sales

English ram sales in the last month have been saler appropriate the whole difference to them- & Son, Sir George Cooper paid £78 15s. for the selves, for in that event they would not be so close hire of one for the season, the balance selling for an average of £14 14s. each, Mr. Flower One thing about the proposed new stock yards paying £47 5s. for one. At the sale of the pressing obligations to handle stock cars with shillings, and in all 757 head averaged £3 10s. all possible despatch, but with the yards under Oxford Downs sold well at the annual sale from their direct control, it is insinuated the service will the flock of Mr. J. T. Hobbs, 43 making an average not be as satisfactory. It is also contended that of £20 1s. 8d., the highest price being £141 15s., A foot denuded of horn may way by these criticisms. However, it may appear from the flock by Messrs. R. Bond & Sons, at on the surface, it only requires a second thought Ipswich, sold up to 160 shillings, as compared with

The great English classic race, the St. Leger hire capable men. Civic control may ring very If breeders who have improved stock to sell control is constantly undergoing change through and that reaches the class they want to sell toelections. Further, we have to consider that the stock farmers, dairymen, and breeders— they establishment of stock yards is a matter of the will win success if they have sufficient confidence investment of money, and as far as Western in the merits of their stock to invite the patronage We don't sell advertising space to any but re- Canada is concerned the investment is not of those who need it. A successful manuby any means as rasy as many another propo- facturer says: "When I buy advertising I want sition, and the amount required would tax a to feel assured that the paper in which I have strong organization to raise. All things taken a case goes to the men whom I desire to reach, and into consideration, therefore, we believe the tarther that the people to whom it goes have a