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surplus doubtful "The advantages of this length of stirrup are hard and firm the pitting is not so well marked, a writer in the Live-stock Journal (English) manifold, they three principal ones being that In rare cases little vesicles are formed, which is remarks: "The idea that the foal, as a rule, may cramped leg.

farther back on the horse's spine, as it is compresstrong; shivering fits are noticed, temperature living. hensible that when a man's knees are pulled increased, and there is a loss of appetite, and "So far as the international arrangements are

part of the animal's back.

of obtaining a greater surface of contact, of followed by some amount of sloughing. This be expected to take its size from its dam, and assuring greater solidity in the saddle, and of occurs more frequently at the flexures of the not from its sire, is one that is scarcely capable better outlining the human form than does the joints when a limb is affected. Besides local of contradiction, for the correctness of the theory symptoms, we notice more or less constitutional is proved by the existence of some very big "With short stirrups the rider's weight is thrust disturbance; the pulse becomes frequent and Hackneys which are sired by small stallions still

up his seat must in consequence be displaced, lameness, if a limb be involved. In more severe concerned, I imagine that the majority of breeders because the length of his thigh remains unaltered cases the constitutional disturbance is greater. will give the dam the credit of being responsible "Thus with short stirrups the rider sits on the The tendons and ligaments, the fibrous covering for them to a greater extent than the sire, but I cantle and not in the middle of his saddle, which of adjacent muscles, as well as the skin and rather incline to the belief that, as a rule, the is incorrect, æsthetically as well as anatomically, subcutaneous tissues, become involved; the pain latter has most to do with the temper of the foal. because his weight is brought to bear on a weaker is excessive, the swelling hard, tense, and occupies I do not mean by this the courage that the latter a large extent of surface. In a variable period, may be possessed of, as the cases which have "For this reason do lady's saddle-horses require purulent collections form in the muscles, or more come under my personal notice have left me undecided on the subject, though I rather incline to the belief that the faint-heartedness is more often transmitted by the sire than by the dam. Probably we shall never arrive at unanimity on such matters, but a very great deal can be learned by the exchange of experiences; and, surely, anything that throws a light on the science of breeding cannot fail to be valuable to horse-

owners "Color, I am convinced, is more influenced by the sire than the dam, and I base my opinion upon what I have seen and what the studbook tells us. For instance, the Fireaways and Lord Derbys were for the most part browns, whilst Denmark, a chestnut, has transmitted his color to his stock, and hence, no doubt, the preponderance of chestnuts at the present time, for the Denmark family, thanks to the excellence as sires of some famous stallions, invariably monopolize the lion's share of the prizes throughout the season. At the same time there can be no denying the existence or certain mares which invariably throw bay or brown foals. I saw one sold a few months ago, and a hunt through the studbook proved the correctness of this statement that she had always thrown bay foals. Still, there are exceptions to every rule, and, therefore, breeders are compelled to base their calculations upon the law of averages. There are so many things that are unexplainable in connection with breeding, totally irrespective of the laws of heredity, that it appears hopeless to unravel them. Still, the pursuit of knowledge in such matters must always be of interest to the lover of horses. For instance, many of us would be glad to be able to account for the fact that some horses are colt and others filly breeders; why some families should mature early and others late; and how it to have strong backs, the side-saddle's seat deeply between the tendons and ligaments, comes about that a grand-looking, brilliantbeing placed behind the horse's natural carrying which, on being opened, discharge a watery pus actioned horse may never get a foal worth his which in some cases contains shreds or masses halter, whilst his brother, which, so far as appearwhich in some cases contains shreds or masses finalter, which is brother, which, so far as appear"The difference in the "strength of the push" of gangrenous tissue. The systemic disturbance ances go, is not worth forty pounds, is a brilliant can be ascertained in two ways: 1st, theoretically at first full and strong, becomes frequent, small even be partially solved, the task which breeders and feeble: the respirations hurried; the bowels have to face would be far less onerous than it is,

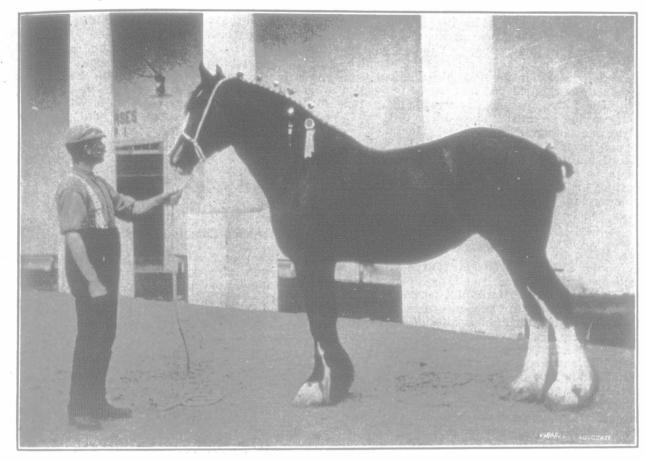
> "The extraordinary development of the Hackney, however, during the past few Treatment.—A brisk purgative of 6 to 10 proved that the following out of certain principles



Fall Litters of Pigs.

Among the breeders of purebred pigs the infliction of an injury, the skin in the immediate hours. Heat should be applied to the affected dictum seems to be accepted that fall litters are vicinity of the wound is noticed to be swollen, parts. If abscesses form, they must be opened, unsatisfactory for many reasons, and that opinion smooth, shining, hot, tender and painful; the but it is advisable to abstain from the use of the has spread so that prospective buyers almost swelling gradually extends in all directions from bistoury unless pus is present, as the admission of generally ask for pigs from spring litters, or if fall born pigs are taken want such at a marked reduction in price. This opinion is by no means solely held in Canada but as may be noted by the following excerpts from the American Swineherd is common belief in the United States:

"I heard a breeder say the other day that fall



CLYDESDALE MARE, LADY ROTHA

Champion at the Royal 1905 and reserve champion at Winnipeg and Brandon 1906. The property of W. H. Bryce, Arcola, Sask.

existing between the long and the short stirrup is severe, rigors are frequent, pain acute; the pulse, success at the stud. If these mysteries could

and, practically. the thumb and forefinger, representing the appetite is lost, but the thirst usually excessive. arriving at any definite theories upon horse-rider's thigh and leg, it will be seen that the Occasionally the inflammation extends to the breeding. the "long stirrup," the lesser will be the compression brought to bear on the said object.

little experience has had to ride some time or other given. The swollen parts should be fomented will always exist an element of uncertainty as to weak-backed horses, and has thus been able frequently with warm water, or if practicable, what a horse will get or a mare will throw. I to appreciate the influence which the difference warm poultices applied. After the purgative has suppose there is the influence of back blood to in the manner of distributing his weight in the operated saline diuretics, as nitrate of potash, in account for this, and the prepotency of certain saddle exercises on a horse's back.

And vice versa.

Diseases Resulting from Wounds.

ERYSIPELAS.

complication of wounds. It may be defined as energetic. A purgative must be given, and the an imflammation of the skin and underlying excitement and fever combated with aconite in tissues, characterized by a diffused swelling of the about 20-drop doses of Fleming's tincture in parts affected, which has a remarkable tendency one half pint of cold water, as a drench, every to spread, and is dependent upon some unascer- three or four hours, until the pulse loses its

tained alteration in the blood. and, embracing, if a limb be affected, its the air into the tissues is apt to cause sloughing. the v ircumference in the course of a few hours. llen surface pits on pressure (that is, The essed it has a doughy feel, the finger whe o the tissues and the impression does not sink disappear) where muscular tissue is quic pres

"ist, Theoretically.—If a compressible object, generally constipated, and fæces covered with for the contemplation of such and other contrarepresenting the horse's body, is held between mucus; the urine scanty and high colored. The dictions which exist almost makes one despair of wider apart the two will be kept, representing articulation nearest the injury, and the case becomes complicated with open

drams aloes, according to the size and condition of breeding may reasonably be expected to be "2nd, Practically.—Every horseman with a of the patient, with two drams ginger, should be succeeded by certain definite results, but there 3 to 4 dram doses, should be given twice or three strains and individual animals, but one becomes times daily, and tincture of iron should be given bewildered when one attempts to account for in 6 to 8-dram doses, in a pint of cold water, as the phenomena—they can be termed nothing a drench, twice daily. The food should be of the else—that occasionally appear.' best kind, and given in liberal quantities. In Erysipelas occasionally occurs as a result of a the more severe cases treatment must be more excessive strength and frequency. After the Symptoms.—In an indefinite period, but purgative has acted, the tincture of iron should be usually about the third or fourth day after the given in about 4-dram doses every three or four

Breeding of Carriage Horses.

Discussing the question of the relative influence but where the subcutaneous tissues are of the sire and dam in the breeding of Hackneys, pigs were a necessary evil with him because he

in any saddle? ap is the

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