of the flexor pedis perforans. The fibres of the tendon are very apt to be licerated at this part, inflam nation sets in, which is transmitted to the joint, and in many cases gives rise to severe lameness,-this disease is known as Navicularthrites, and is of most common occurrence in horses with short, upright pasterns, and out-turned toes, as in them the distance between the insertion of the tendons and the navicular bone is so short, and the angle formed so acute, that the tendon is exceedingly liable to be ruptured. Covering the sensible structure is the Hoof (X). The hoof of the horse represents a sort of box or casement, which envelopes the inferior extremity of the digit applied in a very exact manner to the sensible foot, and united to it by elevations and depressions which fit into each other. maceration the hoof is divisible into three parts, The wall, also viz.: the wall, sole and frog. called the crust, is the part visible when the foot is on the ground, highest anteriorly at to., decreasing as it proceeds backward. posterior part the wall takes a sudden inflection inwards, at an acute angle, continued to the centre of the foot, where it unites with the sole the angle of reflection receives the name of heel, the portion inflected is called the bars. The external surface of the wall is smooth, and consists of a cuticular covering continuous with the coronary frog band. The internal surface of the wall presents throughout its whole extent parallel plates or laminæ, between which are received plates of a similar form.

The superior or coronary surface of the wall of the hoof presents a groove sloped downwards and inwards, forming a gutter in which is lodged the coronary ligament or substance. ferior surface of the wall is in contact with the ground, and is the part to which the shoe is attached.

The sole is the thick plate of horn between the inner circumference of the wall and bars, occupying the inferior portion of the foot—the external surface of the sole forms a sort of vault more or less concave—the internal surface is smooth, presenting numerous minute orifices, into which are inserted the vascular papillae

of the sensible sole.

The Frog is a mass of horn of a somewhat triangular shape, placed between the bars. The inferior surface presents a triangular cavity called the cleft of the frog: the superior surface, like the sole, presents numerous orifices into which are received the vascular portions of the fatty frog. Passing round the superior surface of the wall from the heel is a broad thin band called the coronary frog band; this band serves to unite the cuticular covering of The the wall with the coronary substance. coronary substance or ligament occupies the concavity on superior surface of the wall. substance is made up of a fibro cartilaginous band united to the coffin bone by dense cellular Resting on this cartilaginous band is tissue.

a plexus of bloodvessels, the whole being & ered by a cuticular coat covered with small of which enter into pores in the superior surface of the wall. In continuation of this substant are the sensible laminæ, which are united the coffin bone through the intervention of dense fibrous membrane in which ramity & The lamnæ consist of about fr bloodvessels. hundred parallel folds, and cover the whole cumference of the pedal bone. Each of sensitive laminæ is received between and for ly attached to two of the horny laming situaon the internal side of the wall of the hoof.

The laming are continuous at the too w the sensible sole, which is made up of a veryetic vascular membrane and covered with a ce cular coat possessing villi which penetrateir

the sole of Os Pedis.

Occupying the posterior and centre part the foot is the fatty or sensible frog, which bounded superiorly by the tendon perfor laterally by the lateral cartilages, inferiorly the horny frog, and in continuation with t sensible sole and coronary substance. Thefe frog is made up of, first of a thick layer of s greenish, elastic substance above, which is plexus of bloodvessels, and also fibro cartile and lastly the cuticular covering with its cular villi.

The horn constituting the hoof present fibrous appearance, most distinct in the wi This substance is made up of minute w united together by an intertubular substr composed of cells; these tubes are seen from the vascular villi of coronary substant sensible sole, and frog.

THE IMPROPRIETY OF PURGATIVE IN SOME CASES OF ABDOMINAL INFLAMMATION.

By Hugh Ferguson, V. S. to the Queen, Vel inary Professor to the Royal Agriculta Society of Ireland.

There is an abdominal inflammation in wi purgatives render the symptoms much aggravated, and frequently induce death cases which would recover under an opportunity The affection alluded mode of treatment. is peritonitis, or inflammation of the lin membrane of the abdomen, the outer cover of the stomacn intestines, liver, spleen, other contents of the cavity. It is freque mistaken for colic or gripes, perhaps fi constipation, or for ordinary inflammation Purgatives are administered; the bowels. instead of getting better, the case gets wo The reason it does so, as an effect from pu tive medicine, is very simple, though it. hitherto escaped the notice of veterinaria The affected membrane in its healthy state very smooth on its surface, which is lubric with a moisture. This, by diminishing friction between the different parts con in contact with and gliding past each other