

Vas Deferens.—These are the tubes which carry the semen up the back part of the cord through the inguinal rings before mentioned. They then pass backwards and upwards, one on each side, to the upper part of the bladder, where they empty into two small pouches or sacs, called the *vesiculæ seminales*, which store up the semen as it is secreted by the testicles, and when full present the appearance of a pear.

Vesiculæ Seminales.—These sacs or pouches are situated at the upper side, over the neck of the bladder, one on each side, and have the tube which carries the semen emptying into it at the front end, while at the back end of them is a small opening in each one that leads out into another small tube which passes backward and empties into the urethra, which has been mentioned before as carrying the water out from the bladder. The use of these sacs or pouches is to store up the semen or seed of the horse. While the horse is performing sexual intercourse, these sacs or pouches contract, forcing the semen through these little tubes mentioned out into the urethra, which is a tube leading down to the penis.

The Penis is the main organ connected in sexual intercourse; its substance is formed of what is known as erectile tissue, which, under certain circumstances, becomes enormously distended with blood. Passing up the under side, there is what has already been mentioned, the urethra, or the tube, which carries the water or urine out of the body; and also in the act of intercourse, it carries the semen, thus it is noticed this tube is used for two purposes, as we have already mentioned.

The Sheath is a loose process of skin which passes downwards from the scrotum or bag, generally from about four to six inches, according to the size of the animal, and is attached to each side, leaving a hole or opening in the centre through which the penis comes down. The outside of the sheath is covered by a thin, delicate skin, same as that of the scrotum; inside it is lined by a membrane having a lot of small glands, which secrete a thick dark fluid to lubricate this passage. Sometimes this fluid collects in here and has the appearance of tar. This is an important point to remember, for when it collects to a large extent the sheath has to be washed out.

The Semen or seed of the horse, when examined under a microscope, is found to contain small objects called *spermatozoa*.