Assisting Conception in Cows.

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some value, for I notice in almost every herd there are one or more cows that tem into a more or less contracted con-made of tough sponge well saturated fail to got with calf, even after the cow dition, and prevents her assisting in with cum-arabic and bound tight over a has calved once, and often using various bulls, large and small, usually throwing the blame on the bull. I am when this particular condition existed. location of the male germ'and ovum in finger examination only reveals this the cow. The male germ must meet the condition of the ostine w. ovum beyond the os internun or conception will not take place. I will men- or os internun. tion only two of the main causes and onposite conditions of the cerex uteri, on vents conception. (There are other the internal or when closed by a cicatrix minor causes). Conception cannot take caused by abortion or the rupture and place if either of these two conditions tear of the mucous membrane near the exist. One is when the area uteri is os internon at natural calving, The patulous or relaxed and lets out the whole mucous membrane that lines the male germ and ovum before it makes its womb is thrown off every time a cow vital connection with the internal mu- aborts or calves, except just at the inis closed or so small as not to admit the causes this cicatrix and closure. cannot reach the ovum to impregnate it as to tincae closed. womb. -

have not failed to get a cow with calf when dry.

Second cause: Closure of the or tingue that otherwise could not.

Extract of belladonna Treatment: will relax the correcutori when the tube tincae and os internuo, that I find pre- is pervious, but no medicine will open cous membrane of the womb. The other ternal neck. I believe this torn conis when the os tincae or the os internun dition of the membrane and its healing, male-germ to the wemb easily, and thus have seen this cicatrix so strong stand the force of five in the womb. The usual length of the bulls, large and small, for four cervex of a cow is about one and one-years, she having once calved. Another half inches long. In a post mortem ex- that had never calved and took the bull amination made by myself of a cow regularly for four years, had her first that had been killed for beef, I found the calf when five years old. The canal to cervix uteri full five inches long from the womb must be opened by mechanos tineae to os internun, a very unusual ical means. The parts are of a very length. I have found quite a number delicate structure, and this must be that measure three and four juches, done by very gradual easy dilators and and with the os internun open and os a day or two before the cow comes into This great distance of heat. I have not been able to find any cerrex uteri to os internun, and its firm dilators or sponge tents that will answer closure, with open os tincue, has deceived this purpose fully. The sponge tents me, and, no doubt, others. The ostincae were too soft, and give before they could often being easily opened with the fin- be got inside. The instrument had to ger, and the extra depth of the corex be used with one hand and that in the causing the operator to think he was vagina, and so could not handle the inthrough both sphinclers and into the strument and at the same time keep the finger at the os tincae, and thus prevent Treatment.—There is no medicine the instrument from catching into the that will prevent or relieve these two folds and fosas, and could not use gradconditions. The only relief is by mech- ual continuous pressure, and was unceranical means. First condition: When tain when the canal was fortuous. To the cerrex weri is patulous, a medicine overcome these defects I made a metalthat will produce contraction of the os ic hougie two feet long; the end of flexible tinca to hold the male germ, will pro- metal that could be bent to any sweep duce its expulsion into the vagina, and by the end of a right fore finger acting so out. Keep the cow on low diet and as a live guide at the os tineae. With an no water for a day before served; and arrangement at the end of the vagina, I then use a one-fourth inch cord ten feet can make the flexible point sweep to long, with a loop or ring in one end. any course, and at the same time keep laid.

Throw the loop end over the back of the up a steady, continuous pressure at the cow just in front of the hips, bringing it obstructions. Some points are made of I thought I might interest you and up in front of the bag to the middle of soft material, strengthened by internal some breeders, if I related two of the her side. Make a loose half-hitch; as broken joints that adjust themselves to main causes that I have found, during soon as the bull leaps, instantly draw any course by a simple rotation, so there the ast twenty years, to prevent con- the cord as tight as possible, and leave is no danger in wounding the canal. As ception, and how I have relieved them, it on for twelve hours, without feed, soon as the canal is pervious, I introduce I think my observations may be of This puts the cow in general distress; sponge tents to make the canal larger puts nearly all the muscles in the sys- and remain open. These should be the expulsion of the male germ. I steel knitting needle, to be removed

I know that if a correct diognosis is of the opinion it is solden the fault of Straining and voiding the germ does made and either of these two conditions the bull, but almost always the relative not prove this condition. An educated are found, and the treatment as above followed, many of the worst cases of barren cows can be made to breed

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Weight and Yield of Eggs.

The fc lowing statement of the weight and yield of eggs of the different prominent breeds of fowls is from an exhaustive tabular statement by Mr. L. P. Simmonds, who is considered standard authority on poultry statistics:-

Light Brahmas and Partridge Cochins eggs, seven to the pound; they lay 80 to 100 per annum, or even more, according to treatment and keeping.

Dark Brahmas, eight to the pound and about 70 per annum.

Black, White, and Buff Cochins, eight to the pound, 100 or less per annum.

Hymouth Rocks, eight to the pound, 100 per annum.

Houdans, eight to the bound, 150 per

La Fleche, seven to the pound, 150 per annum.

Black Spanish, seven to the pound, 150 ber annum.

Dominiques, nine to the pound, 130 per

Game fowls nine to the pound 130 per ammm.

Leghorns, nine to the pound, 150 to 200 per annum.

Hamburgs, nine to the pound, 175 per annum.

Polish, nine to the pound, 150 per

Bantams, sixteen to the-pound, 60 per

Turkeys, five to the pound, 30.to 60 per annum.

Ducks, five to six to the pound, 30 to

60 per annum, Geese four to the pound, 20 per annum. Guinea fowls, eleven to the pound, 60 per annum.

The eggs of the modern improved breeds of fowls have gained one-third in weight, as compared with eggs formerly