## SUGGESTIONS FOR TREATING THE COLTS



#### Fine Work Team, Gentle and Strong.

Some breeders are bold enough to make a plug and stop the escape of castrate their own animals, still more the gut afterwards. The suturing maemploy a man who makes a living as terial itself will be dissolved and aba gelder, but does not pretend to be a sorbed in a few days. veterinary surgeon. The danger in This suturing material is at once a custration is in rupture.

purse, and their cords are occupying be absorbed in forty-eight hours beto a great extent the orifices in the fore sufficient or sufficiently strong belly the obtrusion into the scrotum plastic material has been thrown out of a small knuckle of intestine may to guard the entrance to the abdomen, he overlooked unless a very careful or exit for the bowels as we fear it examination is made; indeed it may might prove. then escape the intending operator's A further precaution may therefore notice, if the colt has been well fast- be taken by putting a few stitches of ened and placed upon his back, re- insoluble silk through the empty purse maining there for a minute or two, as rather close up to the belly. This during this time the small portion of should be well saturated with an antigut will often slip back into the abdo- septic as we do not want a formation

For this, among other reasons, an it for three days or more, if the subold hand will prefer to have the ani- sequent swelling outside the belly does mal on his side while making an ex- not satisfy us that it is safe to remove amination. Some will squeeze the these outside stitches. larynx to make the animal cough by Unless any foreign substance has way of a test. If another person does gone in while operating, there is apthe squeezing (as for wind patients of parently little danger of peritonitis or adults), the castrator's fingers upon other ill results. There are other the cords of the testicles will tell him methods of operation the details of of a bulge and he will then exercise which more concern the practicing special precautions.

again and sacrifice the time than to the performance himself nor let anproceed without all necessary appli- other whom he cannot fully trust. ances. Ruptured colts should never It is to put our readers on their be entrusted to gelders without ana- guard against the reckless assumption tomical knowledge, or not possessing that every colt is normal, and that no a reputation for operating upon such such precautions need be taken that CESSS.

long fasting, placed upon his back, after castration a colt is found with rendered limp by the inhalation of his bowels hanging out and beyond aschloroform, and the testicles removed sistance. likely to struggle

great gift to the surgeon and a dan-So long as the testicles are in the ger if he trusts it too much. It may

of pus, although we may have to leave

veterinary surgeon than the horse It is far better to let the colt get up breeder, who should neither attempt

we offer these suggestions, there being The animal should be prepared by no use in idle regrets when an hour

while the horse is insensible and un- One may say that such cases have been successfully dealt with, but the The veterinary surgeon may choose delay is nearly always fatal. If the to put in two or more stitches of solu- an mainel can be secured and the bowel ble material across the orifice now no keld up by a sheet saturated with a longer partly occupied by the cord. disinfectant until the veterinary suris and all things used by geon arrives, it may be possible to rehim have been rendered antiseptic turn that portion of intestine and rethis will probably be the best plan. tain it while anticipating subsequent There will be just enough adhesive in- inflammatory troubles by proper flammation set up by the sutures to treatment.

UNCLE SAM, M. D. Specialist in Cereal Diseases irepared by the United States Depart-ment of Agriculture.) blown about by the wind, leaving the large tiny smut plants are formed instalk of the head bare.

The total annual loss from cereal diseases in the United States is estimated to be \$45,000,000. Moreover, over one-half or nearly \$25,000,000 of this loss is caused by preventable diseases, remedies for which have been developed and placed in usable form for the farmers by state and federal authorities. of wheat smut.

The department of agriculture. The covered smut of barley is an- water treatment. This is a delicate entific and practical problems of dis- heads are darker in color than sound careful handling are necessary.

the year. While rusts and smuts of cereals grow inside of the barley plant. This the year.

class of "cases" which our plant doc- wheat and oat smut.

from our cultivated green plants.

This smut is easily distinguished in ly stunted and the heads stand more is as follows: erect than the heavy, sound heads. The chaff is spread apart more or less

the head an open appearance. When the tough membrane, or skin, of such a kernel is broken, a dark, smeary, cayed fish.

practically gotten rid of by any one of ing time of the grain. In smutted No seed treatment is of any use

side of them, but remain hidden and Oat smut may be prevenied by a allow the kernels to develop and fili similar seed treatment to the one out like other seed.

given for the stinking smut of wheat. The loose smut cannot be prevented There is not as much danger from by the ordinary formalin seed treatsmut balls remaining in the treated ment, as it lives over the winter in seed, but if any smut masses are seen side of the seed instead of on the they, of course, should be skimmed outside of the seed coat. The only off and destroyed just as in the case seed treatment which has proved to be a preventive for this smut is the hot-

through the office of cereal investi- other cereal disease with an estimated operation for the average farmer to gations of the bureau of plant indus- average annual loss of two per cent. perform, as the death point of the try, has specialists in grain diseases of the crop. This smut is most no- wheat seed itself is so close to the working in laboratory, field and green- ticeable several days after the barley death point of the smut in the seed house in an effort to solve many sci- has fully headed out. The smutted that very accurate thermometers and

ease control which confront the heads and the kernels are composed The estimated average annual loss grower of cereals. The state experi- of greenish-black masses of smut. of loose smut of barley is two per ment stations of Minnesota, Kansas These are not blown away by the cent, of the crop. The time of apand Washington are co-operating with wind but remain until the grain is pearance and other characteristics of the department with a view of con- harvested and threshed, when the this smut are almost identical with trolling and eliminating plant dis- smutted heads are broken up. Many the loose smut of wheat describedeases that are causing such an enor- of the smut masses are not blown out above This smut cannot be premous loss in the grain-fields. In ad- by the threshing machine but remain vented by the formalin treatment bedition, a well-equipped laboratory is with the grain, smearing it with smut. cause the smut passes the winter inmaintained at Washington, where mi- The spores of the smut get on to side the seed. The hot water treatcroscopic, cultural and other studies sound seeds and are lodged in cracks ment will prevent it, but it is not recof the disease-causing organisms are and crevices of the seed coat until the ommended for the average farmer carried on during the greater part of seed germinates in the spring, when who must treat a large amount of seed the young smut plant also begins to in a short time at his busiest time of

are perhaps the most widely distrib- smut also can be prevented by treat- The study of corn smut is receiving uted and most harmful diseases which ing the seed with formalin in the same considerable attention by the departhave been studied, there is another manner as for the stinking smut of ment. The losses are variable, being largely dependent upon the locality tors must now consider. These dis- The kernel smut of sorghum is seri- and the season, but are often serious. eases are commonly called scabs, ous in crops of kafir, broomcorn and No adequate means of control are at wilts, blights, and a number of other the sweet sorghums (cane), particu- present available, though it is known popular names. They are nearly all larly in the arid regions of the West that the losses from corn smut are of them properly called soil diseases, and Southwest. It is not so easily ob- less where a rotation of crops is because their spores have the power served by the farmer as are most of practiced and where care is taken not of living in the soil, as well as on the the other grain smuts. The young to feed smutted corn to livestock and

straw, leaf or seed of their host plant. smut head takes on a gray or whitish then suse the fresh manure on corn They are caused, as is the case with appearance, and as it develops the land; because corn smut spores pass rusts and smuts, by parasitic fungous smut masses in the kernels become through the digestive tract of farm plants which get their nourishment dark brown or black. Usually smut animals uninjured and can live and masses are not broken and blown multiply in the manure.

occasions.

feta and voile.

Among the preventable cereal dis- about to any extent in the field but Each of the cereal crops has one or eases is the stinking smut, or bunt remain as they are formed until har- more kinds of rust affecting them. in wheat, common in all grain-growing vest and threshing time. They are The black, or stem, vusts of wheat, sections and especially troublesome in then broken up and the smut spores barley and oats are the mose serious. the Palouse country of the northwest, get on to clean seeds, where they stay. Each of these three crops has an where it is harder to control, owing just as in the case of stinking smut early or so-called leaf rust, which to the fact that it lives over winter in of wheat, until the seed is planted and nearly always is present, but seldom the soil. The estimated average and the spores grow and infect the young does serious damage. The rusts, as the skirts sufficiently full. nua, loss is two per cent, of the crop. seedlings. As in the stinking smut of their name would indicate, first appear wheat, careful seed treatment will kill as reddish or yellowish spots on the the field when the grain is almost ripe. the smut spores on the outside of the leaves or stems of the grains. The The smutted plants are usually slight- seeds. The treatment recommended stem rust forms long spots of this yel-

lowish powder, which turn black as the crepes, wool or cotton challies, nets, Mix one pint (one pound) of full- grain ripens. It is this black rust chiffon taffetas and other light silks. strength 40 per cent. formaldehyde stage with which most farmers are crepe de chine, flowered mull, besides by the dark, swollen kernels, giving with 30 gallons of water and use this familiar and which they fear the most. numbers of novelties that have been solution in the same manner as di- The rusts are perhaps the most se-

rected for stinking smut of wheat rious of all cereal diseases, for no The loose smut of wheat is widely practical preventive measures are at dust-like mass is disclosed which has distributed wherever wheat is grown. present know, other than the use of a peculiar fetid odor like that of de The estimated average annual loss wheats of the durum group, and the is one per cent, of the crop. This selection and breeding of new vari-The smut can be controlled and smut is most noticeable at the head- etics resistent to rust.



Dancing Frocks for Sweet Sixteen

"SWEET SIXTEEN" must be con- a rufile of the ribbon, giving the effect strued these days to mean, in of a short basque finish. There is an reality, sweet eighteen to twenty-four; apron of lace at the front, with bands for sweet sixteen of these days is a extending upward to the bodice, over little too young to prove interesting the shoulders and around the low outside her own circle of relatives or neck. The sleeves are short puffs finschoolmates. The two pretty frocks ished with double ruffles and lace. for a young girl, pictured here, are

Very small flowers of narrow ribbon suitable designs for any of the festive make a slender wreath which outlines the apron and bodice and follows the

It will be seen that they allow line of the flounce at the back. plenty of freedom for the frolicsome Chiffon taffeta and lace are used. dances to which youth is just now so with a little plain chiffon for the secdevoted. The materials are supple, and ond dress. The picture shows so plain-

ly the composition that it hardly needs For these fascinating dresses soft description. sheer fabrics are to be chosen. There The skirt of chiffon taffeta is narare plenty of them. Voiles (plain or row and extends to the calf of the leg. flowered), chiffon, silk or cotton

It is finished with a wide flounce of lace and is caught up in front with two ribbon roses. There is a tunic, girdle and tiny eton jacket of the brought out. Probably the two most silk. with underbodice and sleeves of satisfactory materials are chiffon taf- chiffon in the same color as the silk.

The tunic is finished with a nattern The frock with the accordion plaited of light embroidery about the bottom, skirt is worthy of some study. It is and the bodice is embellished with a of cream-colored voile with girdle of big butterfly bow of the silk mounted rose-colored moire ribbon and long above the waist line at the front.

ends crossed at the front. They are | Each of the youthful wearers is prothe seed treatments which have been heads the kernels and chaff are re- whatever, as the rust is an external fastened there and brought to the vided with a strand of pearl beads for worked out and recommended for a placed by dark sooty masses, which are soon blown away by the wind, seed. Neither has any spray for the short loops under a narrow scant her feet. These are simple and tastement stations. Of these the forma- leaving bare stems that are usually growing plants been devised which founce of the material. This founce ful dresses, not at all expensive and

## GOOD TREATMENT **OF ANIMAL WOUNDS** Few Injuries Are Materially Bene-

fited Unless Treated by Professionals.

#### By DR. M. H. REYNOLDS, V. S.

Various preparations of turpentine. alcohol, vinegar, carbolic acid, irritating oils, and even mineral acids are frequently used in the treatment of animal wounds and then because the patient recovers in spite of barbarous treatment, people erroneously conclude that the medicine cured.

Bleeding can usually be checked quite easily. If the blood is from a large number of small vessels, hemorrhage can be checked and finally stopped by the means of ice and Pleasure and Profit Found in by very hot or very cold water, or the wound may be packed in clean cotton or oakum and tightly bandaged.

In case a large blood vessel is severed the artery may be secured by means of small forceps or even a book made by bending a pin or piece of wire.

In some cases hemorrhage can be easily controlled by a tight bandage placed above or below the wound. If the blood flows in a steady stream the bandage should be on the side farthest from the heart.

If it flows in jets the bandage should be tied between the wound and the heart.

Comparatively few wounds are materially benefited by sewing, band- in a cleanly manner, with added sucaging or washing except in profes culency in the form of chopped onions sion hands.

the muscle there may be considerable scratch material and roughage, miniadvantage in holding the sides to- mized the grain bill and kept the gether by sywing. No special form fowls comfortable, vigorous, producof needle or thread is necessary ex- tive. cept that both should be clean and the latter should be of a reasonable size. or beef meal. If the former, one-half A darning needle and ordinary cotton ounce to the fowl daily, if the latter, it

thread will do very well in an emer- was hopper fed, they eating as much gency If the wound is made across the muscle and gapes widely it is usually

unwise to sew, for the stitches will a semi-annual house-cleaning, together cut out in a few days and make the with the usage of effective insecticides scar much worse than if it had been kept down the vermin.

#### PROFITABLE FEED FOR BEEF | abundance, where cattle can get it without wading through mud, belly

#### Regularity is One of the Most Important Factors With Cattle-Have Abundant Water Supply.

Those who are feeding beef cattle will find it profitable to not only make no sudden changes in the kind or quantity of feed, but to also see that the feeding is done at the same time every day. Seven o'clock this morning and 7:30 or 7:45 tomorrow morn- more effective than a club in inducing ing is not regular feeding. Water in a pig to travel where you want it.

f left alone. Occasionally a wound is such that the edges can be held together by means of bandages. If this can be done there may be considerable advantage in doing so, but these wounds are rare. Bandages' should be changed frequently and the wound kept clean pound) of 40 per cent. formaldehyde

Maggots may be prevented in small wounds by smearing the following mixture around the border. Turpentine, one part; tar, three parts; fish oil, two parts.

If a wound becomes infested with maggots, use chloroform by spraying or sprinkling the parts by throwing it from a sponge.

## FEW TIMELY HINTS FOR POULTRY YARD

Fowls When Rightly Fed and Sheltered.

Rightly bred, rightly fed, warmly and cleanly housed, the fowls at Snow-Bird poultry yards are a never fail-

ing source of pleasure and profit. The ground feed if compounded at home was composed of one scoopful of wheat bran to one of chopped corn and oats equally halved.

Vegetables were substituted for the summer-time green food. Cabbage hung by the roots within easy reach. mangel-wurzels splft in half then impaled on spikes so the biddies might pick the flesh from the outer covering and uncooked potatoes together with If the wound is made lengthwise of clover-chaff and dried leaves as

> Meat was either ground green bone as desired and whenever inclined to. A tri-weekly cleaning of drop boards; a weekly spraying of perches;

······

times too much salt.

deep, is favorable to good gains. Prob-

ably the most common trouble in the

feed lot is scours. When a steer suf-

fers from scours the feeder is losing

money. The most common causes of

scours are over feeding, irregular

feeding, changes of feed and some-

A handful of shelled grain is always

There are several ways of applying this treatment. It may be either sprayed on the grain or the grain may be soaked in the solution. The following method of treatment is recommended by the Washington experiment station:

Construct a water-tight trough 8 feet long, 14 inches deep and 24 inches wide. Fill this two-thirds full of the formalin solution, which has been made up by dissolving one plnt (a

lin treatment is probably the best.

in 40 gallons of water. Into this pour slowly the seed wheat until the trough is nearly half full of grain. Then stir thoroughly with a long-handle shovel in order to float to the surface any smut balls that may have been carried in by the grain. These should be skimmed off and destroyed. Leave the grain in the solution about onehalf hour. It may then be lifted out and piled up on a granary floor or on the bottom of a wagon box and covered with moist sacks, where it is left over night. On the following morning it will be ready to sow. If it is desired to sow the grain in a dry condition, it will be necessary to spread the treated seed out on the floor to a depth of two or three inches, stirring frequently in order to hasten the drying process. If the seed is sown wet, allowance should be made for its swollen condition by setting the drill to sow a larger quantity per acre. The oat smut, another destructive disease, is widely distributed, some fields having shown as high as 30 per cent. of smutted heads. Estimated average annual loss is about two per cent, of the crop. This smut is most easily noticed a little before the grain is ripe, when smutted plants are found to be shorter and to stand more erect than sound ones. In place of the kernels there are dark masses of smut

dust which, sometimes, are covered by the chaff or glumes and sometimes are left fully exposed and are then soon

Fox a God in Japan. Hiet Takahashi, the quaint son of

college and labors betimes in the

The Man and the Machine.

There's a typewriting machine in

nantly. "Why, you can't even write tell."

not noticed at harvest time.

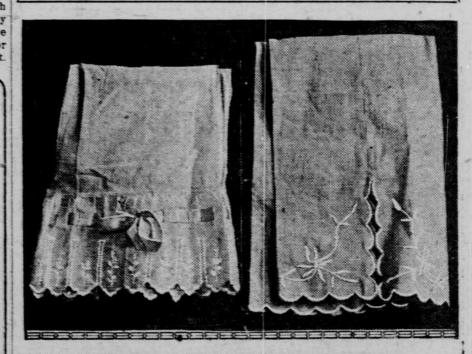
that is, soon after heading time. The ried on with sprays on small plo's spores do not remain inclosed by the have not given very promising rechaff, but are loose and are immedi- sults. ately blown about by the wind, fall It is hoped eventually to furnish the

on healthy wheat heads and some of farmers of the great grain-producing them get on to the young ovary or sections with new varieties which seed of the wheat flower. Here they shall be equal to the old, commonly germinate and send little filaments or grown sorts and, in addition, will have germ tubes into the young forming the added value of being immune, or kernels. As the kernels grow and en- at least resistant or tolerant to rust.

will give results at all in proportion is double, having the effect of a hang- entirely appropriate to young girls. The smut matures and ripens its to the cost of its application on a ing puff. spores when the wheat is in bloom, large scale. In fact, experiments car-

Nothing more elaborate is to be con-Added to the girdle at the back is sidered for them.

### Petticoats With Hand Embroidery



ERE are two beautiful new designs | laundered. Worn with a fancy corset H in petticoats to which a little hand cover they provide a foundation for embroidery gives a touch of real ele- white dresses in the new crepe-like gance. The designs are simple and fabrics which are not sheer but still the work not of the kind which proves allow a color to glow through them. trying to the eyes. Now that Lent is But these durable and attractive pethere and our time is not too fully ticoats are to be worn with utility occupied it is a real pleasure to sit dresses and are not made for those down to a liftle old-fashioned sewing. of airy fabrics, which will be used One of these petticoats is of white for other wear. nainsook with a ruffie of batiste ma- | There is a certain satisfaction in chine stitched to the bottom. The ruf- hand-wrought undergarments, and a fie is scalloped and buttonhole-stitched certain pride in one's own work which along the lower edge. It may be pur- more than pays for the time spent chased with the edge ready finished. upon such simple and practical gar-The buttonhole stitching is extended ments. to form small panels.

In each of the panels a spray of flowers, very simple and easily done. is embroidered. The sprays are not ing to the choice of the individual.

be used for this purpose.

been reduced in size by the telegraph is forthcoming from Valentia island. 11" miles off the west coast of Ireland. "Children are always the best wit- A woman was seized with illness, and there. The missus spent all her egg nesses at this age," said Mr. Walter the nearest doctor was on the mainand butter money to buy that for me. Schroder at a St. Pancras (Eng.) in- land at Waterville. The Valentia the sides of the slash in the skirt, 'cause I ain't so overhandy with the quest, after hearing the evidence of cable operators sent a message to j pen. Just look at the swindlin' thing!" a boy of twelve. "They are at an age Newfoundland, whence it was trans-"What's the matter with it?" said when they have no desire to varnish mitted to Waterville, and the doctor the truth or diminish its significance. was on the island within two hours, "Matter!" said the old man. Indig. It is just a plain, simple tale they landing amid the cheers of the island-

ers.-Cardiff Western Mail.

JULIA BOTTOMLEY.

#### Extension Side Girdle.

Most effective of all the new furall alike: twoi or even three, pat- bishes for costumes is the extension terns are used, or only one, accord side girdle. So broad that it gives the very becoming Empire effect above The top of the ruffle is cut into the waist line, below that line it fits short slashes, the edges carefully fin- smoothly over the hips and lends to ished with the buttonhole stitch, and a them the much-desired appearance of satin ribbon threaded through these extreme slenderness. At the left side slashes by way of a dainty finish. this girdle extends into a single broad Blue, pink, lavender or a soft gold sash end-cut in one with the accescolor are shown in satin ribbons to sory-which tapers gradually toward the knee, where it terminates in a A practical petticoat to be worn deep fringe. The girdle, which obviwith street suits is made of un- ously must be carefully fitted to the heached linen or chambray. Plain figure and skillfully boned into permaginghams also provide a suitable ma- nent shape, is most effective in velvet terial. The petticoat is plain and nar- but often a very heavy silk is used row, about a yard and three-quarters and occasionally duvetyn or thick wide. It is slit up at one side along broadcloth. The choice of the fabric a seam. The bottom is finished with depends, of course, wholly upon the a shallow scallop button hole stitched street or house costume with which it is to be worn.

#### Cleaning Piano Keys.

and the second second

Water should never be used to clean the keys of a piano, as it removes their polish. Rub them with a cloth

6 A LOARE AND STINKING SMUTS OF WHEAT. A, Normal Head of Wheat, Showing Kernels Below. B, Head of Wheat. Affected by Stinking Smut, Showing Smut Balls at a. C, Loose Smut. ······ acters signifies fox, and from this it came to be believed that the deity Jesse Carmichael was walking down Nippon, who attends William Jewell really was a fox. Its natural cun- town in New York with his friend, Bob ning is greatly entarged upon and it Ginter. Bob was pulling industriously Advance office, is always talking in- in believed to be . capable of mis- on a fat, dark cigar, and had succeed

terestingly to his fellow employes about his country and its customs and superstitions. Chief among the superstitions is the fear of the fox. which is believed to have supernatural powers. Thrones called "Inari Jinsha," in which the fox is enshrined as a deity, are numberless. The name of the deity written in Japanese char------

"No: I don't want any more of your unless you know how to play the planlabor-savin' machines," said Farmer ner or a church organ!" Jones, reflectively, "I've had enough of 'em! Look in that cupboard.

-Liberty Advance. Enjoys It.

Gabe-There goes a fellow who enjoys ill health. Steve-Enjoys it? What is he a hypochondriac? Gabe-No, he's a physician.

# leading and deceiving human beings. ed in consuming about half of it, causheat.

zine.

# asked Carmichael.

#### Cabling for a Doctor.

An example of how the world has

ing the covering to curl up with the "What in thunder are you smoking?"

One on Ginter.

B

"Oh," said Carmichael, "I thoughit was an umbrella."-Popular Maga-

C

"A fine cigar," replied Ginter.

with a coarse floss.

finish its decoration. The embroidery is done in white. Stitches are long and easily done.

Skirts of this kind are made up dampened in alcohol, which will rein blue, pink, lavender, tan, linen move all yellow stains and make the color and white. They are easily keys perfectly white again.

The state of the s

| your name with the confounded thing |

Truth From the Child Witnesses.

Farmer Brown.