COMMON PARASITES OF SWINE

(Experimental Farms Note)

Swine are subject to several parasites, external and internal. Of the first class the most troublesome is the ordinary hoglouse. These insects are responsible for such unthriftiness and poor gains; are an advertisement of the unobservant eye or carelessness of the feeder, and are intolerable in that unless the infestation is of long standing, they are fairly easy of eradication.

METHODS OF ERADICATION

1. Pigs may be dipped or sprayed with any good creolin or coal-tar disinfectant, made up as per directions accompanying the preparation.

Coal oil or kerosene is used by some. Though effective, it has a blistering action and should be avoided,

Fuel oil is highly recommended. Exefficient, but slightly irritant and leaving the hair of the pig in a dirty discolored condition.

4. Crude castor oil is non-irritant, soothing and quite destructive to lice (Brandon, Man.). Where procurable it forms possibly the best application for this purpose.

too high to permit of its use. 5. Paraffin oil (low grade) as now used procurable, and colorless.

6. Apply disinfectant washes (creolin, no postage is required on letters, or on or, in the case of the large herd, by oz. in weight. the dipping method. Apply oils with a cloth, or more conveniently still, by will cause the application to spread quickly by such means.

to destroy the lice or nits.

would be indicated, using a strong oats.

creolin spray over all. INTESTINAL PARASITES

Of intestinal parasites the round worm is much the more common. In most cases FITTING COWS FOR LACTATION examination of the smaller intestine of slaughtered pigs will reveal the presence of a few large white worms. In small numbers they appear to cause little inconvenience to the animal; a considerable on will cause a marked falling off or stoppage, resulting in death.

festation

TREATMENT

Prevent by cleanly methods and the use of any good mineral corrective mixture. mixture of charcoal, woodashes, and salt; or of sulphur, salt, and iron sulphate mixparts charcoal and 8 parts ashes, mix well period. Each cow should have from six please? Tempy thinks there's someand allow the animals free access to it.

Where pigs are infested, turpentine is the best remedy. Give 1 teaspoonful to every 100 pounds weight, after fasting the animal for twelve hours. This may be mixed in the feed and given for three successive days. Follow this with a good purging of Epsom Salts.

25c. Buys a Thrift Stamp.

ADVICE ON PLANT DISEASES

(Experimental Farms Note)

mental Farm urges every farmer to look ceive a laxative ration, but particularly picked up the poker. It was the only

loss in the plum crop from Brown Rot is which should be fed up to calving time pered.

measures; and since we are now in the producing foods just previous to calving midst of the greatest food crisis the world has ever seen, every bit of food

comes not only profit for the grower, but an asset to our country and a boon to starving humanity.

to get in touch with all the available help on plant diseases the following sources of information are given :--

IDENTIFICATION OF DISEASES AND ADVICE REGARDING TREATMENT

In order to make it easy for everyone

(1) The Agricultural Representative in your county, if there is one; phone or write him or get him to call.

(2) The Agricultural College in your province. Each College makes it a part of its policy to answer all such inquiries. (3) The Central Experimental Farm at Ottawa maintains a well-equipped plant-disease service which everyone is invited to make use of. Address, Division of Botany. C. E. F., Ottawa,

(4) The Central Experimental Faam has also branch stations for the study of chapel. She had been going that way. periments with it at Ottawa proved it plant diseases, any of which will be glad to give every assistance on request. Address, Field Laboratory of Plant Pathology, (Charlottetown, P. E. I.), (Fredericton, N. B.), (St. Catharines, Ont.) or

In writing do not worry about the exact At present, the price of castor oil is proper place if it goes to any Government Department. Give as full and clear a Miss Tempy welcomed him enthusias description of the trouble as you can, and in the herd of swine at the Central send specimens where possible. Several Experimental Farm, has proved non-specimens are better than one. They irritant to the skin and quite effective should be typical of the trouble, and as an insecticide. It is cheap, easily should be packed so as to arrive in good condition. When addressed to (3) above,

Bulletins give in condensed form all using a large oil-can with a handle the important information about diseases. and long spout. File a short section and their control. If well studied they off the end of the spout to increase give a clear understanding of the trouble, the amount delivered. Apply a stream and if kept for reference they save of oil over the neck, shoulders, and burdening the memory with many details along the back. The heat of the body of methods. They are sent free of charge Requests sent to any of the addresses

over the body. A large number of given above will bring bulletins on plant hogs can be treated conveniently and diseases. Write for either, (a), a list of those published from which you can was burnin'." Repeat the application after ten days make you own selection, (b), those 8. If pigs are seen to be badly infested, a particular crop, as potatoes, or (c), a rise, and I guess she's comin' down to thorough clean-up of the premises bulletin on a certain disease, as smut in

Cut this out and put away for further reference.

(Experimental Farms Note.)

All mammals, when in proper environment and under normal conditions, naturreserve being used in milk production it frantically into her ear. "Don't in general condition. Young pigs so when the young is born. As we expect a speak!" affected are thin, stunted, and lacking in dairy cow to give much more milk than "I won't if you let go of my hair. vigor and thrift. Severe infestation will her calf requires, it is only reasonable What's the matter-nightmare? I told frequently cause intestinal inflammation that she should be in extra good condition you there was a limit, even to pepper of flesh at calving time. A futher con- tea." sideration is the procuring of strong, well-downstairs. I heard 'em." Where pigs are kept reasonably clean, nourished calves, which cannot be expectof infestation is small. Filthy surround- fed during the dry period has been found bread," she said after a moment. ings together with stagnant or foul water to give greater returns than the same "It ain't. Clara's in her room readin'. usually predispose to such parasitic in- amount of grain fed after calving, these I saw her through the crack in the returns being in the form of a more vigor. door. And Bradley's in his room. I ous calf and increased milk production. heard him breathin'. Please git up!" To have the cows in proper condition of flesh, one of the first requisites is to give Her sister was already similarly garbthem sufficient rest between lactation ed. Then, Miss Prissy bearing the ket. A good home-made substitute is a periods. The cow that is milked up to lamp, they tiptoed into the hall and on within two or three weeks of calving may to the door of Bradley's room. pile up quite a record for that year, but "Bradley," cautiously whispered Miss she will surely fall off in the next lactation Prissy. Bradley, will you git nup,

to eight weeks of a rest priod. when dried off. If she is in good condition at the lamp. Clara, who had not gone of flest then very little more than a main- to bed, had already joined them. tenance ration is necessary, but the feeder | The procession moved-Bradley first. thrifty condition. If she has become thin Miss Tempy, who, as she said afterbe allowed. The character of the ration rear. They peered cautiously into the need not differ materially from that fed dining room. It was empty. to the milk cows. Pasture, supplemented "There," exclaimed Miss Prissy, "I by silage and legume hay in winter, guess 'twas nothin' but Tempy's imagishould be sufficent for the cow in good con- nation, as usual. She"dition. Those in poorer condition should The words died on her lips. There receive grain in addition up to six or seven came a sound from the kitchen—they In view of the present vital need for in-pounds per day if necessary. It is im- all heard it-a rattling sound and the creased production the Central Experiwell into the question of crop diseases, so just at calving time. To this end the apology for a weapon in sight. He for the losses which these diseases cause grain ration should consist of such laxa- started for the kitchen, but Miss Priksy each year in orchard, field, and garden tive feeds as wheat bran and oil cake, to- seized him by the jacket and Miss are, in the aggregate, simply appaling. gether with either ground oats, barley, or Tempy threw both arms around his The U. S. Department of Agriculture corn, preferably the former, in equal parts. neck. estimates that the smutted wheat grown in that country in 1917 would fill a line of mixture there should be added 1 pound in that country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in a story of the country in 1917 would fill a line of mixture there should be added 1 pound in a story of the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture there should be added 1 pound in the country in 1917 would fill a line of mixture the country in 1917 would be added 1 pound in the country in 1917 would be added 1 pound in the country in 1917 would be added freight cars reaching from New York to each of ground rock phrosphate, charcoal, Cleveland (600miles). In 1916 in Canada and common salt. The salt is a neces- was hard work. He unclasped Miss the loss from Rust on grain amounted to sity in the ration, while the other in. Tempy's arms from his neck, but she \$50,000,000, while the Canadian potato gredients act as a tonic. Cows not re- immediately seized him around the crop in 1915 was almost cut in two by the ceiving the grain should be fed some of waist. It was a ridiculous situation, ravages of Blight and Rot. Each year this tonic mixure separately, or the last and suddenly he became aware of a about one-quarter of the Ontario apple day or two before calving the regular cold wind blowing from the direction crop is lost from Apple Scab, and the ration should be replaced by bran alone, of the front hall.

for a few days afterwards. These are only a few common examples To ensure the best results from the at the black tunnel of the hall, and of the numerous diseases which yearly above method of fitting the cow for her then footfails were heard on the walk. take heavy toll of our crops everywhere. lacation period she should be allowed coming up the steps. Clara's voice be-Indeed it has been said that the dollars plenty of exercise. Running with the came audible. She was speaking in annually lost from crop diseases on the milk cows in summer and being turned agonized whispers. average farm would pay the hired man's out in the barnyard for an hour or two daily in winter will meet requirement in A great number of these diseases can this regard. This exercise will be found of Captain Eri Hedge. Captain Eri be prevented by well-tried and simple to do away with cows highly fed on heat-

saved from the wastage of disease be- Make a "Saving" Resolution.

(Continued from page 3.)

"How d'ye do, Clara?" said Miss Tempy, trying hard not to be patroniz-"I s'pose vou're takin' a walk. You look reel nice. Where are you

Miss Hopkins replied that she didn't know just where she should go. "Well, I hope you'll have a pleasant afternoon wherever you go," gushed Miss Tempy. "The cap'n is takin' me

Here the captain made his first remark since the carriage stopped. It was to the effect that be was taking Miss Tempy down to the Methodist

for a little drive. Isn't this a beautiful

and it was a long walk. "Oh." said Miss Hopkins sweetly, "is that all? I thought perhaps you were going to take her over to Harniss. It seems as if I remembered you saying you expected to go there today. Goodby. I hope you'll have a nice time."

On that evening Captain Titcomb address. Your letter will reach the made the first of the short calls which were to continue during the week tically, and her sister did her best not to appear jeglous. Clara did not come into the sitting room at all, nor did she do so during the following four even-

aboard the Diving Belle when he reached home Friday night. He was etc.) with a brush, broom, spray-pump, packages of specimens not exceeding 12 even more silent than usual at the supper table. When the meal was over he suddenly exclaimed: "By George. Clara, I must beg your pardon! There was a letter for you in our box this morning, and I left it aboard the schooner. I'll bring it home tomor-

> Captain Titcomb came about 8. He seemed really cheerful when he first arrived, but soon relapsed into the moody silence that had characterized his visits that week. "Clara out in the kitchen?" he ask-

ed after awhile. "I noticed the light "No." replied Miss Tempy: "she's up bulletins dealing with the disease of some in her room. She's left some bread to see it by and by. That's why she left

> the lamp, I s'pose likely." As the big clock in the dining room struck 9 the captain rose, announced that he must be going and went.

Bradley retired soon after, and the sisters followed his example. The old house grew still. Miss Prissy was dropping into a comfortable doze when she felt herself clutched violently by the back hair.

"Let go! What on earth"-"S-s-sh-h!" Miss Tempy breathed

"Oh, do be still! There's robbers Miss Prissy groaningly sat up and and supplied with fresh water, the danger ed from poorly-nourished cows. Grain listened. "It's Clara seein' to her

They heard Bradley chuckle sleepily. The feeding of the cow during this In a few moments he came out, dressperiod will depend upon her condition ed in jacket and trousers and blinking

should watch that she does not lose her then Miss Prissy with the lamp, then and run-down, then a liberal ration should ward, was "too scared to, go ahead and

Bradley sprang to the coal hod and

Bradley tried to free himself, but it

"Is that front door open?" he whis-

The horrified sisters turned to stare

"Who" - began Bradley. Clara appeared, clinging to the arm looked puzzled, but he grinned when

War Savings Stamps Promote

He told the story the next morning to his messmates, Captain Perez and Captain Jerry, about as follows:

"You see. I'd been up to lodge meetin' and stayed a little longer'n usual. I was comin' home by the short cut, and jest as I got abreast the old maids' house the front door bust open, and somethin' comes prancin' down the walk flutterin' and flappin' its arms ike a hen tryin' to fly. Thinks L. 'Has that speritu'list camp meetin' I went to last summer struck in?

"But the critter swooped out of the gate and bore down on me like a hawk open shelters, has been demonstrated beon a June bug. Then I see 'twas Claro Hopkins, scart pretty nigh to death. "'Oh, Cap'n Eri!' says she.

Cap'n Eri! "'The same,' says I. 'What's the

"'Burglars!' says she, makin' fast to my arm. 'Burglars!'

"I had to laugh. I couldn't help it. Burglars at 10 o'clock?' I says. 'Did time, would seem to require warm quarhey come to supper?'

'But they're there!' she says. 'Everybody heard 'em. Bradley and all.' "I couldn't b'lieve 'twas burglars even then, but I knew if Brad Nickerson took any stock in it somethin' was up. And the poor girl was tremblin' like Peleg Myrick's pup.

"'All right Clara' says I. n and shake hands with 'em.' "So in 'we went. When we struck the dinin' room there was Brad in the middle of the floor lookin' pretty toler'. ble foolish, with Prissy moored to his coattails and Tempy with a clove hitch round his waist. All hands looked s'prised to see me, but no more 'n I

"Brad, he kind of grinned. 'Well, says he 'the ladies thought they heard some one in the kitchen, but I guess'-"'Thought we heard 'em!' busts out Prissy. 'Why, you heard 'em your-

was to see them. 'What is this?' says

'Living statues?'

self! "And now Brad, he held up his hands, poker and all. 'All right, all right!' says he. 'Now that we're reenforced maybe we'd better go out and interview 'em. They might die of old age if we stay here much longer.'

"So he winked to me and the fleet got under way. Me and Brad led off. ike a couple of tugs, and the women olks strung out behind, like coal parges, holdin' on to each other's vrappers and breathin' hard.

"We opened the kitchen door and ailed in-that is. Brad and I did. The oal barges got in a lump, so's to speak. n the doorway and stayed there. There was a lamp burnin' side of a pan of dough on the table, but, jest as expected, we was the only humans in

"'Looks as if the burglars had got ired of waitin' for us and got mad and gone home, says I. 'Don't know what they broke into the kitchen for, anyhow. I've heard of a feller's stealin' a redhot stove, but'-"Brad looked puzzled,

sartinly heard something movin' out here,' he says. 'Most likely 'twas a stray cat, and it's hidin' around some-"But jest then comes a whistle-a

squeal, I mean-from the barges. Tempy's headlights were poppin' out of her head, and she was p'intin' a shaky finger at the floor. There was big muddy footprints all over it. "Well, I own up I was set back two or

three rows. Somebody had been there, that was sartin. I've seen cats with double paws, but no cats made them

"'Humph!' says I, and Brad agreed

"I was standin' right in front of the door of the closet where the old maids kept their pots and pans. And jest then inside that closet bust out the. most outrageous racket ever you heard. Biffity, bang, thump! And then a coughin' and sneezin' like forty packs of thunder crackers.

"I ain't a narvous man, gin'rally speakin', but I got up and moved sudden. I didn't exactly run, but I kind of glided over to the sink. Leastways I was backed up against it when I remembered to take an observation. The women grabbed each other and screeched. Brad, he turned sort of yeller round the gills, but he was the

coolest one in the bunch. "The bangin' and barkin' and sneezin' in the closet kept right up to time. Whoever it was, he wasn't shirkin' his work none to speak of.

"'Come out of that!' yells Brad. makin' a dive for the door. "Afore he could reach it that door flew open of itself. Out comes somethin' doubled up like a jackknife. It kind of pawed the air with its flippers and dove head first for the sink. I give it all the room it needed-didn't

want to be selfish. "'Hoo-rash-oo!' remarks the thing as if it meant it too. Then it shoved its head into the water bucket.

"The whole congregation was consider'ble shook up. Nobody felt like risin' and addressin' the mourners. The critter at the water bucket splashed and gurgled for a minute. Then it turned round. Its head and face was all streaks of red and brown, and the water was drippin' off its chin. Who was it? You'd never guess in a million years!

"I swan to man if it wan't Ez Tit-

"'Oh, it's the cap'n!' squeaked Tempy and went down in a heap. 'Hoo-rash-oo!' says Cap'n Ez, sort of openin' the conversation.

"Well!" says I. "'For heaven's sakes!' says Brad. "But Prissy stepped for'ard and took command. She didn't looked scared any more; only kind of queer round

(To be continued)

the mouth and snappy round the eyes.

Minard's Liniment Cures Colds, etc.

SAVING IN THE WINTER-FATTENING OF SWINE

(Experimental Farm Note)

One of the most common losses in connexion with winter swine manage ment is due to crippling or rheumatism. That this malady, easy to contract and difficult to cure, may be practically eliminated, or rather, prevented, in breed ing stock, wintered out-of-doors with yond doubt. No ill effect has cropped up to offset this advantage. With several individuals in a small, well-bedded cabin. there is no apparent discomfort to the inmates, even during the most rigorous months of the Canadian winter.

The fattening hog, heavily fed, required to make maximum gains in minimum ters. The energy required to offset cold would thereby be utilized for growth and fat production. Less feed would be required. While the latter premise proves true, the fact of the matter is that the swine feeder is confronted with the choice of two apparent evils,-a comparatively cold house, that because of its nature, is practically like outdoors and therefore dry, or a more expensive, tightly-built, warmer structure, that, even if ventilated. usually proves more or less damp. Crippling in hogs will appear to a greater or lesser degree under bad or good management. Damp quarters undoubtedly predispose to it. Add to this, heavy feeding, alfalfa hay. Enough of it will be eaten to with occasional over-feeding, and the help balance the meal ration, supply result is frequently that of several more necessary and palatable roughage, and materially reduce costs. or less crippled pigs, the whole or partial losses from which will seriously affect the winter's profits. On the other hand, it has now been pretty well proved at several points in the Experimental Farm System that such losses from outdoorfattened hogs are practically negligible. and that the evidence of thrift and quality resultant very greatly over-balances the extra cost of outdoor feeding. Cold air should in itself have no virtue. Nevertheless, the open-air hog is more vigorous and healthy than the one fed in warm, dry quarters. Constantly pure air and a certain amount of exercise would seem to

be responsible. Very little capital then need be tied up n winter swine feeding quarters. A low sleeping berth made of old boards and covered with straw within or near a shed for feeding purposes, is necessary. While a straw stack is frequently used for shelter, the above arrangemedt is better. Access to a pile of horse manure in the

shed or yard will provide a certain amount of food and exercise, and a very considerable amount of recreation for the hogs. Such an arrangement, as discussed provides a dry, comfortable bed, a difficult acquisition in the fairly expensive building.

The use of the self-feeder during

winter has also proved a success. Th feeder or feeders must be protected by shed, as suggested. There is no trouble from frozen troughs and the general in winter. Much disagreeable labor in the cold is avoided; in fact, the man who has used the self feeder for winter work fine it even more of a convenience than proves in summer. As to gains and cost to-produce, tests have proved it usually superior to the hand-feeding method Whole, cracked, or ground corn, ground barley, or barley and oats may be fed Shorts, bran, recleaned screenings, etc. may be mixed with the above, or following the American plan, fed separately in compartments Where corn enters beauti in a compartment by itself. Charcoal woodashes, slaked-lime, salt, etc, or mixture of these should be available. If nothing better, supply plenty of ashes both coal and wood. Where dairy byproduc s are not available, water, prefer ably slightly warmed, must be supplied Some form of watering device including a tank heater, home-made or purchased will prove useful where many hogs are kent. A rough rack along one side of the shek near the trough or feeder should be

Wisdom Whispers

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JOHNSON'S Anodyne LINIMEN

(Internal as well as External use)

This wonderful old family medicine quickly conquers Coughs, Colds, Grippe, Sore Throat, Cramps, Chills, Sprains, Strains, and many other common ills. Soothes, heals, and

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McLAUGHLIN VALVE-IN-THE-HEAD CARS

Durability Economy Power Now is the time to get ready for the 1919 season.

J. L. STRANGE

Agent for Charlotte County Border Garage - -ST. STEPHEN

Follow Nature's Plan Paint in the Fall



October is a good month in which to paint. All the pests of summer, such as flies, spiders, and dust have gone, and the mild heat of the sun in the autumn gives the paint time to properly cure on the sides of your house. Besides it's the natural thing to put on a protecting coat to turn the winter weather. But to paint right you must use the right paint.

V. PAINT

is what its name stands for-Good Value. It is a good quality paint at a reasonable price, and is used with satisfaction on all classes of buildings. It is the paint to use on your buildings.

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Beautifull

CHRISTMAS D.

W. H. THOR

Early on Christma man, passing 888 Q noise which he suspe burglar. Entering t I. Perrin, he foun secreted in a tunnel cash tills had been a set thon a lot of peop and the place was mind of an evangelica a higher critic. Se sticking out of the "to trousered calipers, the hold and began to ha this morning appeared Denison charged with the theft of 30 cents. T. O'Connor pleade

didn't know what he h "He fought in Fran shocked," said counsel Crown Attorney

grior convictions. 'Refore he went breaking habit, but there' has wiped th Crown.

"If he is suffering said the magistrate, at the Jail Farm will d have to go there for th

CELEBRA Twenty-six citizens diaphragms with bottle mas Day and faced with more or less for man stood up with mouth, and while wait eration magistrate to stage of his procedure officer and was heard get over with it." As the conventional queredly," just as if he r 'Could you have expe on Christmas Day?" the situation with pray accepted the presents ial Christmas tree w

visible sign of inward

tude.-Police Court N

Telegram, Toronto, De

Brea "MORE Western