

POISON FOR BLOWFLIES.

Bayley Bros., Denmark, write:-Will you please repeat method of making arsenic poison for blowfiles?

you please repeat method of making arsenic poison for blowfiles? During the recent heat wave we were in Guildford than ever I remember in the 'IT years I have been in the State. We did nothing, however, for after a day or so the flies disappeared almost as suddenly as they had come. Had they not abated, I intended to make traps out of herosene tins, which are very effective. The kerosene tin is cut into two portions, the bottom portion making a tray about 3in, deep. On the upper portion about an inch from the cut a piece of gauze is fastened across, which prevents the flies getting down below. We then have the toget the weight the gauze and entrance and the second portion with gauze bottom through which the flies cannot get, and the tray with the meat underneath. By this means the upper portion is fitted over the bottom and the flies go down from the top, but are prevented from actually getting to the meat. At intervals the top is taken of and dipped into boiling water and the flies covered with wire enthing to the seribing the methods of poisoning blow-flies, and where rabbits can be easily ob-tained, carcases of these could be cut open and poisoned and put under boxes covered with wire netting to protect them from fowls, children, etc., and the flies would go into the baits and there be poisoned. The Ad-daide "Chronicie" states that Mesers, E. A. and A. F. Thomas, pastor

The Addate "Chronicle" states that Messel E. A. and A. F. Thomas, pastor-slists, of the Gawler district, is an en-deavour to find an effectious means of dealing with the blowfly pest tried an arsenie solution, the formula used being 11b. arsenie, 4b. washing soda, and two gallons of water, boiling the whole until the arsenic was thoroughly dissolved. To this was added another four gallons of water, making six gallons in all, which was sufficient for all general purposes. Old ewes which had ontworn their use-fulness were killed and the carenaes open-ed in such a way that the backbone was left intact, forming a basin into which the posonous fluid was poured. The polson soon penetrated to every part of the carense. This basit proved admir-able. The fless were drawn from all di-rections in thomands, and were soon killed. The poison also acted as a pre-servative of the flesh, and the carense thus lasted many weeks without any undue smell being observed. Througlout all the time this method has been in use not one sheep has been blown. The bait was equally serviceable in freeing the dairy, stables, and house of the com-mon blowfs. They selected a fair-slzed tin and partly filled it with the fluid, into which a few days thousends could be swept away from beneath the bait. According to the "Sydoey Morning Herald" the Intest experiment in New South Wales in connection with treat-ment of sheep to gain inanunity from at-tacks blowflies is that carried out by a chemist with many years' experience of the wool industry. This investiga-tion claims to have discovered a *dip* which, instead of repelling flies, attacks them with fatal results. The dip is composed of 50 per cent, arsenic, and the same quantity of lanoilie and mut-to fat, thus making what is claimed to be a perfect enulsion when added to sol water. Lanoline being a wool product immediatopy mingles naturally with the arsenic is being discolved in the greense all the time. When the fly which he arsenic is being discolved in the greense all the time. When

About Cycles.

casional dry season. About Cycles. With regard to the years ending in 2 and 8,1 have looked up the records since NTS for Perth, and for Northampton since 1882. There is nothing in the records to indicate that any such rule as that mentioned by "W.F.H." will hold. The years ending in 2 and 8 do not in-clude any of the bad years. Taking Perth, three of the years are consider-ably over the average, and six are slightly under, but they are not bad years. The same general remark holds with regard to Northampton. T my here mention that when I lived in Adelaide, I very frequently met my friend Mr. Griffiths, the State Meteorolo-gist, who was afterwards the Chief of Naff at the Federal Weather Bureau. At one time Mr. Russell, astronomer in charge of the Sydney Observatory, published a paper in which he en-cavoured to show that the weather of New Nouth Wales was dominated by a cycle of, I think, 13 years. Mr. Grif-fiths occupied his spare time for a con-siderable period tabulating the rainfall figures for South Australia, which ex-tend over a greater period than any of the other States. He arranged them in every manner he could think of, but no arrangement indicated the existence of a definite cycle. I remember his

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Fruit Prices. I duly received the clipping about the orange prices. I do not think that you should attach very much importance to the article you sent. As a matter of fact, experience in different markets and different places contradiet one another very considerably. It is only a little while ago that I read an article urging that people should grow Valencias, be-cause certain shipments of these had realised higher prices than Navels. Sometimes it is one way and sometimes the other. With regard to the brown heart in the apple. I think the trouble has been due to want of care on the part of the ship engineers, and I am in-clined to think that the trouble will be largely overcome next year.

WHEAT. WHE JOHN DARLING & SON, Export Grain Merchants, WHEAT.

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Comment by Mutual Help Editor.

tractor on the drawbar, and the power against a friction wheel, and the one is very much greater than the other. The heavier the tractor, provided the ground is licm and suitable for adhesion, the greater is the power which it can exercise in drawing a plough or any other implement!—but, as "Maintenance" sug-gested, I am not an engineer. FRONT V. BACK WHEEL DRIVE OF TRACTORS.

Mutual Help

It you want to knew ask. If you can give information do it now. If you don't rgree with replies say so. Remember that with knowledge we get by giving. This coump will be devoted to an carnest effort to help producers to help themselves and so another in solving the problems which constantly come before them. The Agrical-tural Editor desires to know what problems are exercising the thoughts of our farmers, stockmen, and dairymen, fruitgrowers, home gardeners, poutry-keepers, and so forth, believing that questions one is ready to ask many others are thinking choil our farmers, throught about and have solved, or partly solved. Our sucribers are cordially invited to ask questions and we will give the information required if it can be procured. Our readers are then urged to supplement eur replies by personal experience wherever poss-ibl. Don't wait for the other fellow to ask. Don't neglect sending in your commany or experience at once, but just dot down the idea while it is fresh and send it along. Put your questions concisely, and number them separately. Explain any conditions of sond, drainage, symptoms, etc. Carefully write on one side of the paper only. The name and address must be given, but not necessarily for publication. Address all letters, Editor, MUTUAL HELP "WESTERN MAIL." PERTH. It is well to bear in mind that Editors, Managers, Secreturies and ether officials may change, go on holidays, or become ill; but the OFFICE continues. Therefore, do net address an editor by asme unless the business is personal.

a good deal of this mutting bags of whest over time wiren putting bags of whest on the waggou loader, so I feel sure of my point. We have a book called "Youatt on the Horse," which I believe is a standard work, and in the part dealing with draught, Mr. Youatt says it is almost in-dispensable to incline the traces down-wards when pulling a waggon over a rough road, and to my mind the same principle would apply to a tractor pull-ing a plough over a pathock with stumps and rough ground to surnount. I felt glad and confirmed in my iden to see, shortly after writing any letter, to you an announcement of a tractor which is shortly to be introduced into this State, which is of the three-wheel type, two of the wheels, and as this tractor has been a great success in Great triatin, the idea is evidently practical. Of coarse I am not foolish emough to considered this point and for the great majority of tractors to be rear wheel strain show there must be some sub-stanting reason for this, and on doing some more "thinking" about this, as so the conclusion that it is probably be-cause a tractor for his, the adding stractor shows there must be some sub-stantial reason for this, and on doing some more "thinking" about this, as so the conclusion that it is probably be-cause a tractor often has to have its blad, such as a plough, hitched to one she firm unploughed ground, and the weight being over the rear wheels, and she is to hold its course, and also, as you suggest, it is a simpler maiter to say out angerst, it is a simpler maiter to say out prove the source and stores as the tractor as they are usually made a present.

MILK MAKES SOUND TEETH. Dr. Percy Howe, at the head of the research work in the Forsyth Den-tal Infirmary, Boston, Mass., where the teeth of nearly 100,000 children are examined annually and treated, states:---The mineral salts and vi-tamines found in milk and certain heafy vegetables are indispensable to sound teeth in children. Dr. Howe has demonstrated this be-yond question by experimental research. Dr. Harriet Fulmer, in charge of social service work in Cook County. Il-linois, reports that fully 85 per cent. of the school children have defective teeth. She states that if these children had used plenty of milk, more than 50 per cent. of them would not have had this trouble with their teeth. Dietary scientists and food authorities state that no single food is as valuable as milk in developing and maintaining sound teeth. If these mineral salts and vitamines found in milk are not supplied to growing children in abundance—and this can be done only by the liberal use of milk—the jawbones, which are the framework supporting the teeth, do not develop properly and the teeth them-selves protrude without proper support and are imperfect in character, irregular in shape, soft and porous, and begin early to decay.

It is usual to look upon "misses" or "blanks" in a potato crop as an en-tire loss: but such is not quite the case. The New York Agricultural Experiment Station has investigated the matter and the results are given in bulletin 470 of December, 1919.

Experiment Nation has investigated the matter and the results are given in Dulletin 470 of December, 1919. At planting time, each of 360 potato ispan provided lengthwise into two ispan press. The 720 seed-pieces so ob-inined were planted I.Gin, apart in the group of four with blank space-of 30th, between groups. In other words, even fifth hill was a missing hill. Each group of four contained the two pairs of seed-pieces from two tubers. Hence, one member of each pair of the resultant plants adjoined a missing hill. The dif-ference between the yield of this mem-ber (the exterior plant) and the yield of its main (the interior plant) was taken as the measure of the influence of the system of the section plant) was taken by 22, per cent, on the average. Ac-periment is that, under such conditions is obtained in this experiment, the loss from missing hills is offset to a consider-able extent by the increased yield of its defining plants. The he case of a skip ensisting of a single missing hill the two adjoining plants (one on either side) does in total yield, and a little more in it. A surf of check on the experiment, attempt was made to determine the system the two members of a pair of under conditions as nearly uaralled as pairs of the extention in yield be-tween the two members of a pair of under conditions as nearly uaralled as plants from the same tuber when grown under conditions as nearly uaralled as plants from the same tuber when grown inder conditions as nearly uaralled as plants from the same tuber when grown inder conditions as nearly uaralled and the submed proper were planted plants. In different pairs the difference in total yield variation in yield be-tween the two members of a pair of plants. In different pairs the difference is not use the variation in yield be-tween the two members of a pair of plants. In different pairs the difference plants. In different pairs the difference plants. In different pairs the difference is total yield variation in yield be-mating were blanted from S5 pairs

MILK MAKES SOUND TEETH.

"Maintenance," writing in August, said:-- I thank you for your reply to my query "Why do tractors have the power drive on rear wheels," and was also pleased to see another letter from "W.H.G.," Manjimup, on the subject, showing an interest in the matter. I have obeyed your earnest adjuration "to think," and after all my thinking I hope you won't mind me saying that you have not convinced me that a tractor should not have its power drive on the rear wheels, but on the front ones, at any rate theoretically. You advise experimentally pulling a MISSING PLANTS IN POTATO FIELDS. ones, at any rate theoretically. You advise experimentally pulling a loaded barrow, and say I would not pull it half a chain, but turn round and push, but I contend that this is only because it would be much easier to balance it when using a truck, which has two whereis and therefore does not need bal-ancing, that I always pull i, when load-ed and using it on soft ground. I have a good deal of this work to do at har-vest time when putting bags of whent on the waggon loader, so I feel sure of my point.

The above letter came to hand dur-ing the printers' strike, and with a good many more things was put aside. Will "Maintename" please accept this ex-planation of why the letter has not been published before? I hope that no one will think that I intended to argue with "Maintenanee," and I do not intend to do so now. I did not say that the back wheel drive what I did was to suggest the reason why tractors and motors are driven from the rear, and to point out that to drive from the front would involve serious difficulties with steering. There is one point in my reply which seems to have escaped "Maintenance," but he has him-self drawn attention to it in another direction when he refers in the above letter to the harnessing of a draught horse. The reason why he can exert more power in pulling a wheelbarrow or a truck over an obstruction than be can when pushing is closely asso-ciated with that problem of harnessing a horse. It is all a question of lever-age, When he is pulling he can plant his feet firmly on the ground, lean back and he gets a leverage which he is pushing. Something of the same principle ap-plies in connection with the horses are drawing a plough over a boggy patch of ground. If the horses can get on to firm ground, they can exercise lever-and draw the plough or implement out of the bog. Even when the inspenter and draw the plough or implement out of the bog. Even when the horses are working on the boggy ground, provided hund, they can draw the implement or wagon through the mud. If, however, they founder, and they are of no grave travendus power, can make no pro-gress because the wheels simply spin. "Maintenance" will remember that in inversing difficult tracks, the people indeavour to have two cars travelling inderver depends upon having some-ther of him and use the power of his engine to haul binself out. "The point I wish to empasise is that the nover depends upon having some-thing to haul or push against. In the events of the rail won the ground, so that the friction will enable the e

selves protrude without proper support and are imperfect in character, irregular in shape, soft and porous, and begin carly to decay. Once this defective frame and de-terioration in teeth begins, as it always does in the absence of the food elements does in the absence of the food elements the food elements and the the food elements does in the absence of the food elements masticated food impairs the digestive organs, interferes with proper assimila-tion of food, and thus directly impairs both growth and health.

DINGOES AND BELLS.

F. E. Jones, Hampton Hill Station, Bulong, writes:--Re Pommy and his idea of bells frightening din-goes (or dingo mongrels), bells make no difference. We have a mob of about 300 goats running here at the homestead and between them they carry 30 bells, a mixture of sheep and horse bells. As soon as a dingo comes in our district he attacks the goats when out feeding and continues to do so until we poison or trap the attacker. The only difference between a goat with a bell and one without, is the one with the bell is bitten in the bind quarters and flank in-stead of the throat. Hoping this will-be of use.

ENSILAGE AND RABBITS.

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