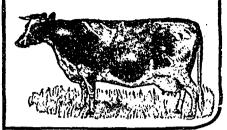
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DECEMBER 15, 1890.



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Maritime • • Agriculturist.

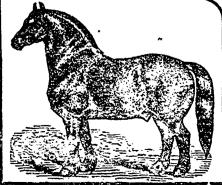
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JOHN A. BOWES,
PUBLISHER,
SAINT JOHN, N. B.

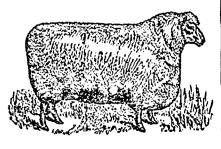
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VOL. 2. NO. 19.



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VOL. 2.

ST. JOHN, N. B., DECEMBER 15, 1890.

NO. 19

Maritime

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JOHN A. BOWES. ROBT. JARVIS GILBERT.

MANAGER.

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OF EVERY LESCRIPTION

done at the office of

STOCK BREEDERS, wanting catalogues printed should pots this.

PUBLISHER'S ANNOUNCEMENT.

The proprietorship of the MARITIME Agriculturist has changed hands and in future it will be issued from the office of It will continue as before under the management of Robert Jarvis Gilbert, who has been associated with the publication since its commencement. The change in proprietorship and the removal of the headquarters of the paper from Dorchester to St. John explains the delay in the issue of the current number. Hereafter the Maritime Agriculturist will appear regularly on the 1st and 15th when you take up your paper "if you of each month.

Many changes and improvements will will be to make the MARITIME AGRICUL-TURIST not only a first-class farmer's paper, but to fill its columns with matter particularly adapted to the farming interests of the lower provinces. all that is asked is a fair and reasonable support from the farmers of the Maritime Provinces.

Jons A. Bowes, Publisher.

Make a Little Experiment,

If you are not convinced of the practicability of the silo make a test for yourself. Build a small one four or five feet square and sixteen or eighteen feet deep. Plant some crop especially for it next spring and next winter feed it to one cow or a few sheep. This will not cost you much and from it you will get practical experience that will be worth more to you than all the essays written on the subject. Think seriously of this during the winter. Get all the information on the sile you can and write the AGRICULTURIST any question arising in your mind for which you cannot find a satisfactory answer.

their eyes lest they should see the water. regular meeting.

If You Don't see what you for It.

If you want information on any farmsubject write to the Agriculturist. If we are not in a position to give you THE EVENING GAZETTE, St. John, N. B. the information you seek or answer your question it will be referred to the best authority we can find, failing which we will publish it and seek the answer from among our many subscribers. If you once get in the way of referring to your agricultural journal for information, you will be pleased with the result. The men who answer your questions, are chosen for the departments over which they preside, for their special knowledge and practical experience. In a word, don't see what you want, ask for it."

Winter dairying pays best, in most inbe made and the aim of the publisher stances, but, to carry it on, the cows should commence to come in about September. To this end, they must be bred during the three winter months. Heifer calves raised from them will be in good form to go on pasture in the spring; and Per- will be old enough to breed, the followformance is better than promises, and dairy can be better and easier attended to, in the winter. Too many farmers waste time in the winter, which could be profitably spent, running a dairy. They often eat up the profits of the farm, by a winter of inactivity, and then declare that "farming don't pay." We have not found a business that would, under those conditions unless, it yielded enormous profits.

> A RATHER Novel method of raising potatoes was tried this year by Wilford Van Wart of Central Hamstead. He laid the seed on a rather damp piece of meadow and covered them about six inches deep with buckwheat straw and in the fall he had, from a piece of land 4 feet wide by 19 feet long, two bushels of : fine early rose. If that meth d proves successful it will facilitate the work very much; at any rate it is worthy of a more extended trial.

THE ST. JOHN AGRICULTURAL Society held its monthly meeting on the 27th ult and discussed several matters in connection with their work. It was decid-When topers cross a bridge they close Thursday in December in place of the

PONY BREEDING.

Col. Domyille Complains That the Mc-Kinley Bill Has Shut Him Out of the Business.

Some fifteen years ago Col. Domville of Rothesay, N. B. began breeding ponies for the American market. He met with success until a short time ago, when the McKinley bill compelled him to sell out. The writer called upon the colonel a few days ago, and gathered the following information from him:-

"I started my herd" said he, "with a Shetland pony stallion purchased from Sir Joseph Hickson of Montreal, paying \$150 for the animal at my risk the day he was foaled. A pair of mares obtained from the stables of Senator Cochrane of Quebec, completed my outfit. From those mares I raised thirty nine colts, which were foaled and raised covering a period of nearly fifteen years. The Shetland pony is a very hardy animal, but peculiar in his habits and You cannot raise them disposition. in the same manner as you would horses with any degree of success. I had the base ment of a large barn devoted entirely to their use, and in the winter left the doors wide open so as they could run in and out. They have no stalls but bedded together like sheep. During the day, provided it was fine, I had hay thrown out on the snow for them to eat, and always kept spread on the basement floor for night consumption. My experience has led me to believe that what is known as 'cow hay' is the most suitable food. You must always avoid feeding grain; it not only disagrees with them but actually has a tendency to increase their size, and this is what we must avoid. In the U.S.A. Herd Book, a pony 44 inches high and over is ruled out. C. P. Willard of Chicago, the well know engine builder, is the president of the Pony Association, and is very particular upon this point. There being no necessity of feeding out grain, the cost of raising the little animals is only a trifle. In fact one can easily get through herd ` 2 at an outlay of \$2.00 per head. The rules in relation to bree ing are peculiar. The stallion is permitted to run with the mares, so as he can use his own discretion as to the proper time for service. The young stallions, 14 months old, have hold Agricultural Society have author- back without you." to be separated from the rest of the herd, ized Capt. H. M. Campbell, of Foxbill ctherwise there will be trouble. There Farm, Apohaqui, Kings Co., N. B., to are no geldings. It has been found that purchase for them \$100 worth of pure ant: "Mein Fraulein, I adore you! If I has rarely to be called in, and it is very tion. The society could not have placed seldom that a pony wears a shoe. Lame- the matter in better hands.

ness is almost unknown, but lice play a conspicuous part in the unhappy portion of a pony's life. Carbolic acid is an excellent remedy. It is very seldom Quebec and Ontario are their subscriponly one. I found my best market Laughlin who sacrificed their lives to across the line, but the McKinley bill duty on the steamship Vancouver than has caused a duty of \$30 per head to be has been the response of the people of kills the business. Perceiving that there Lockhart's suggestion that by voluntary breeding is an undeveloped business in thy with this country, and as far as I am aware I in the exercise of their noblest persuade me to start over again.

The Jersey.

dairy?" Every dairyman might well seem give that question earnest thought. Re- tread member the good Jersey cow of to-day the pure Holstein milk. Later he reversed the test by adulterating Holstein milk and setting Jersey milk pure and the result was that the Jersey milk showed three and two-fifths times the quantity of cream given by the adulterated Holexcellent specimen of her breed, and the Jersey was an 18 quart cow that had winter been milking six months and was three months in calf.

An Agricultural Society to the Front.

The members of the Sussex and Studa pony gelding loses his shape and be- bred sheep. The choice of breeds has comes unmarketable. The blacksmith been left entirely to the captain's discre-

Horoism Remembered.

ISL John Gazette. Hardly less creditable to the people of you can soll them singly, as a span of tions for a testimonial to the families ponies is more desirable to have than of Capt. Lindall and Quartermaster Mcplaced upon ponies, which effectually St. John and the province to Mayor was no longer any money in it I sold out contributions a memorial should be my entire herd to Col. S. D. Pruce, pro- erected to the late Fred Young. prietor of the "Field and Farm," Pony Such outbursts of genuine sympamanhood and boybood was the only person in Canada who pos- qualities goes far to disarm the cynic who sessed at any time what really deserved would have us believe that the family of the name of a hord. If the duties were man is wholly selfish and regardless removed it would not take very much to of any heroic act, and that such acts are always prompted by motives less creditable than at first sight they would appear. It is true that there is a foundation for the cynicism of the cynic; "If the milk of the Jersey, though a the rich rarely part with their surplus small milker, is so rich that when adul- possessions till the parting is inevitable; terated with an equal amount of water it they who would rise to positions of honis still richer than ordinary milk, is she or or power rarely have much regard not the most economical cow for a milk for the sufferings of those that it may necessary for them their feet, under but humble oftentimes . have will milk from 16 to 20 quarts a day when a boundles sympathy with the trials fresh and is a great stayer. G. W. Far. of the humble, the poor with the lee, of Cresskill, N. J., has recently made sorrows of the poor. And as it is, to the two tests in comparing Jersey with Hol- honor of manhood, that almost everystein-Friesian milk. He set three quarts where a noble act arouses our admiration of pure Holstein milk for cream and at however slow we may be in giving it the same time set one and a half quarts expression. This truth has been brought of pure Jersey milk, to which be added prominently forward by the Courtenay an equal amount of water, with the re- Bay disaster's sequel, and by the sult that the adulterated Jersey milk readiness with which the call for a testishowed one-fifth more cream than the monial to the families of Capt. Lindall and Quarter-master McLaughlin' has been responded to in Quebec and Ontario. The matter was taken in hand only five or six days ago and already over \$2,000 have been subscribed. It is expected that the sum collected will stein milk. This looks like a fair test, as soon amount to \$5000. By no means is Mr. Farlee says the Holstein cow was an this an utterly selfish and heartless world.

> INEXPERIENCED RIDER: "What! you wish me to pay in advance? Are you afraid I shan't come back with the horse?"

Proprietor of Livery-Stables: "Ahem. it is just possible the horse may come

INAPPROPRIATE SIMILE - Young Merchhad it in my power I would place all the riches of Golcondo in your hands!"

Young Lady: "Better not! My hands. are not as big as all that."

REGISTER THE MICKERS.

Poposal to Establish a Milking Herd-Book.

The British Dairy Farmer's Association, are considering the advisability of establishing a Purry Hord-Book, in which all cows giving over a certain quantity of milk per year, can be registered, and at a late meeting they passed the following resolution:-

That this meeting heartily approves the establishment of a dairy berd-book, and recomends the Council of the British Dairy Farmers' Association to invite the co-operation of those members who are interested in the various breeds of dairy cattle in forming a representative committee, which shall consider and report on the best means of carrying out the object reliably and satisfactorily on self-

supporting principles.

To make a cow eligible for such registration, the owner would be compelled to keep a milk register, a certified copy from which, of a cow's record for at least one year, must be furnished by the owner of the cow. If such a Herdbook could be made self-sustaining, and thorough inspertion and tests made of all cows for registration this would not be the least valuable Herd-book. In this country it would be better patronized than any pure bred herd-book, for nearly every farmer is interested in it, whether his cows are pure-bred, grades or scrubs. If it would induce our farmers, to keep a milk register it would prove an invaluable missionary. The cows must give more than sufficent to pay for their keeping, and the surplus yield; is the farmers profit; and only by keeping a milk and feed register, can this besurely ascertained. If such registers, were commonly kept, dairy farming would pay better, because farmers would not keep cown in their herds, that did not yield them a profit. To accommoate such a herd-book to all milking cattle, it would be necessary to have the milk tested, for butter fats and solids. Our agricultural societies and dairy associations should move in this matter

Warmed Water valced Drinks.

There seems to be considerable difference of opinion among dairymen and doctors on the wisdom of warning the be for their benefit. The dairyman, who hay,

does not raise his stock but himply buys milch cous to soll them, when they have dropped off in their milking to a point that does not pay, will surely use warined water for his cows in winter, as thereby he increases the flow of milk. While agricultural scientists are discussing and experimenting with warmed and chilled water for cows, breeders had botter await the results of their tests. Few of them have as yet pronounced positively in favor of warming the water for stock, but the majority of those heard from, speak favorably of it. It is urged by some that it is unnatural that arguing cattle in their wild state did not have the water warmed for them. But there is nothing in such a contention. Our domestic avimals are cultivated stock, and should no more be treated as wild animals than cultivated strawberries should be treated, or rather neglected, like their little wild brethern. It is right to study the nature and habits of our domestic animals, but they are kept for profit by most people, and as such, should be housed, fed and watered on animals instead of cultivating them as Then, in what sense is it natural that except their horns, then dishorn. they should be fed iced drinks the following winter? Where did the fallacy spring from tha suggests that the cow in her "natural" or "wild" state berded among fields of snow and ice for five months in the year? Wide-awake dairymen will soon adopt the plan of giving their cows water with the chill taken off in winter, and it will become the rule where it is now the exception; and unless it is shown to be a positive injury to breeding stock, breeders will do the same.

The Cutter and Grinder.

water for stock in winter. If you keep horses is well illustrated by the experiyour cattle in a warm stable, it would ence of the London Omnibus Co. They

Disliorning.

There is not much of importance to be urged against removing the borns from dairy cattle. It is not a painful operation, when compared with ringing the bull, castration, caponizing and lots of surgical operations, for the purpose, of correcting deformities or making domestic animals more useful, to man. It is ridiculous to call it cruelty. If you have a boss cow in the herd, that drives the rest from the water or feed, she is a positive injury to you. She proves a good milker, by comparison, because she drives the others from their water or fodder; or she may be a good milker under any circumstances, so that you do notwant to part with her, yet she may injure other cattle, even to the extent of killing them. Take her horns off, and so make her harmless. Calculations have been made to prove that it takes a lot of extra feed to grow and maintain horns on cattle, in which case, we had better cut them off, because, cattle must be kept on business principles to make business principles to yield the most every cent tell. Don't be atraid to do it profit. If the people of the Island of if you want to. If you would like to Jersey had treated their cows like wild grow a herd of polled cattle, get some caustic potash,-ten cents worth will they did the "wonderful little butter last you a jesr-and rub the embryo machine"—the Jersey cow-would not liorn a minute or two, before the calf is have been developed. Again, the longer a month old, or as soon as you can feel a growing calf is fed on warmed drinks the little horn. If you would rather after weaning, the faster and larger it will have polled cattle, dishorn what you grow, and they usually develop into bet- have, or, sell them, and buy cows withter animals by being so fed until they out horns. If you have a breed suitable have passed over their first winter, for all requirements of your business,

Bestroying Alder Bushes.

In response to an enquiry in last Farmer concorning the extermination of alder bushes, Mr. Charles Multart, of Lower Bedeque, informs us he has had some experience with this nuisance to the farmer. Some three years ago he desired, to get rid of a lot of these bushes and the plan he adopted was to wait until the ground was frozen hard in the early winter when he broke or cut the alders close to the ground. By this means he completely rid his farm of these, and the fact that three years have passed by The evonomy of cutting fodder for since that time without the roots showing any signs of growth is sufficient proof that they are dead. The reason of his seem a good idea to take the chill off the fed one lot of horses 16 pounds of ground success, he believes to be the fact that water they are given in very cold and oats, 71 pounds of cut hay and a pound at the time the bushes w re cut the sap blustry weather, when they do not get of cutstraw, and they kept in as good con- was then in the roots. The same principle, much exercise. It would certainly be dition and did as much work as another he gays, holds good in regard to the better if cows were never given water lot fed 19 pounds whole outs and 13 time of pruning fruit trees. If this needcolder than 50 or 46 degrees. Cows drink pounds of uncut hay; thus by grinding ful operation is performed during the a good deal of water at a time, and that the grain and cutting the fodder they winterseason much harm will be done to it should be ice cold sometimes cannot saved 6 pounds of grain and 5 pounds of the trees, if indeed they are not killed. Summerside Farmer.

TROTTERS FOR THE FARMER.

How He May Re Raised By a Man of Limited Menns.

trotters and runners to those that can wants to raise a trotter can do so and the road. remain a good, square man still. I am tempt to defend those who raise the indiscriminate breeding of trotters by thoroughbred, or even to palliste their the ordinary farmer is going to the When one has the world to chose from action, but I do defend those who raise other extreme, and ought to be con- this is a mighty question, and even trotters, and when I say trotters, I mean demned in vigorous and unsparing with five or six to choose from it is often the standard-bred horse; those regis- words. Here comes in the question a puzzler. A sound body, natural trottered or entitled to be registered in the whether the farmer is able to sell his ting-action, a great vitality and ambionly registry for tretters in America, trotters to advantage. Few farmers are. tion are absolutely necessary. Then "Wallace's American Trotting Register." It requires a knowledge of the trotters comes the question of pedigree. He If he who causes two blades of grass to anatomy, training and pedigree that few must be registered, and the more trotgrow where one grew before benefits the farmers have the time or opportunity to ting and producing-blood in his pedigree world, surely he who raises a horse that learn. will gain a minute in a man's life by point to another is a philanthropist.

a standard-bred horse instead of a Perch. she must have good trotting-action, ters have brought forth into the trottinghind the old plow-horses? Must be al- ter whose strength disappears after one and under; and not only that, but he ways take the dust of every Tom. Dick or two short bursts of speed is of no also sired 107 sons who in their turn are and Harry on the road? Must his boy earthly use to any one. Fourth-well sires of 567 performers. When any one when out with his sweetheart, behind there are a number of fourths, for that in your hearing claims superiority for soher old "Charley" mentally curse the is as far as I will go-there are intelli- the Clays or the Morgans, you can set it farm as the fleet stepper of his town- gence, beauty of form, ambition; but above down as the result of either ignorance bred rival flashes rast him? Must it al. all these I place-more trotting action. If or prejudice, and there is a great deal ways be grind, grind, grind with the a farmer has a mare that conforms to of prejudice among horse-breeders farmer-his nose to the grindstone eler- these requisites I would advise him to and trainers. nally-no amusement, no pleasures, investigate her pedigree, for it is almost lace,s. Year Book for 1888." It such as men of other pursuits have?

The farmer who has a mortgage on his farm, a chattel mortgage on his I say valuable blood advisedly; for, and then no one can deceive you with a stock and farm-machinery, and a year's while pedigree, alone will not make a false pedigree. for their stallion, as is store-bill to pay is not the one whom my trotter, it will often sell a trotter, and it often the case. If the stallion is regisplea is for. It is for the farmer whose behooves the farmer to increase the tered he has a number, and so has his property is clear, who has plenty of fod. value of his property by every possible sire and the sire of his dam. Get their der in the barn; who se wife has a Sun- means. If the mare's sire is an unreg- numbers and names and look them up day dress, and has a piano or organ in istered son of a registered sire it adds yourself,

the parlor, and a hired girl to help her to her value. There is no need to set out at length it (which I don't admit), such a farmer up your search at the first failure. the fuscination of breeding horses for as the latter ought to raise a trotter for Stick to it until you exhaust every meass speed. From the millionaire to the farmer his own pet and for his own pleasure, of information. all love the enticing pursuit. Yet near- as one of the just rewards for doing so Did He put horses into the world solely

what prejudiced. I um not going to at- pleasure is justifiable, continuous and protting-bred animal.

But in case a farmer desires to raise a

Ascertain, if possible, when she is not able to do the work as every drop of trotting-blood in her yeins, lone. Even if there were no money in no matter how slight, and do not give

The only standard bred-mare I posly every agricultural journal from Maine much for the pleasure or benefit of sess I bought on her good looks and trotto California forbids the farmer raising others. Did the Almighty intend that ting-action only, and paid \$200 for her, her anything but a draft horse. "Leave the only draft-horses should be raised? owner, a very intelligent business man, assuring me that she was not standardafford them," they say. "You stick to for mankind to see how much money bred, being by Pottawatomie Chief, dain the work-horse, and if you do take up could be made out of them? Why does by Blind Eagle. Sure enough, the Trotthe others, we unto you!" And then He cause the beautiful flowers to bloom, ting Register disclosed no such names; follows a long list of the probable results: the song-birds to carol their sweet songs but subsequent lilvestigation fully estagambling, extravagance, laziness, bank. To the enthusiastic horseman his horse lished the fact that Pottawatomie Chief ruptcy, poverty, Sodom and Gomorrah, is a beautiful object, that delights the was registered under the name of Mon-Now all this is "important, if true," eye more than any flower; his move- arch Swigert, and Blind Eagle as Grey But it isn't true. Lazy men like to fish, ments are graceful, his speed produces Eagle. By Rule 7 of the National Assobut all fishermen are not lazy. Tramps a thrill of pleasure, and no song of bird ciation of Trotting-Horse Breeders, espedestrianate, but all pedestrians are is more inspiring than the rapid pat, tablished December 14, 1877, my mare not tramps; and a good, square man that pat of his horse's feet as he flies down is standard-bred. This is the rule: "The female progeny of a standard horse, While the raising of a trotter occa- when out of a mare by a standard raising one myself, and I may be some- sionally for the farmer's own use or horse," shall be accepted as a standard

Then comes the selection of a sire. the better.

Other things being equal, get as much conveying him more speedily from one fast stepper for his own use or at least as you can of the blood of old Rysdyk's to increase the speed of what he has, he Hambletonian. There are numerous ad-Anyway if a farmer has a standard. must have for a brood-mare one with no vocates of the Morgan, the Clay, and the bred mare, or even one with a good trot- constitutional weakness that may be Mambrino, but the figures show that ting-action, and prefers to breed her to transmitted to her progeny. Second, Hambletonian and his sons and daugheron or Clydesdule horse, why shouldn't The more speed she has the better, but world far more speed than any other he? Must be always plump along in the she must have the action. Third, she family, if not of all combined. Hambleold farm-wagon to town and back he. must have good staying-powers. A trot- tonian himself sired 11 performers in 2.30 Pay \$2.50 for "Wala certainty that there will be found will give all the information you valuable blood coming in somewhere, need about trotters, and their pedigree,

ble. There is generally some good rea- that they believed that was nearly the en. son for their popularity; besides, you best colt in the country, and it did not want a horse that you can sell if neces- seem to me at all fool sh or boastful. . sity obliges you to part with your pet At present, the Wilkeses, Electioneers people is their luck of recreation. Their and Nutwoods seem to be the foremost unceasing devotion to money-getting competitors for public favor, with the without proper rest of mind and body Pilot Mediums, Kentucky Princes and makes them practically old men at mid-Robert McGregors close after thom, dle age. They get into one rut and re-Untried but well-bred colts from any of main there, and their whole life is one the leading sires mentioned above are grind. Let them breed a few horses. worth from \$500 to \$5000, to be moder. Let them get out into the beautiful sunate in my estimate, and will average shine and renew their youth." All of probably \$1000, and the service-fee of which we fully and heartily indorse .those leading sires will be from \$100 to Fank H. Vullette, in Northwestern Agri-\$500. Unless your mare is of fushion- culturist. able breeding do not pay more than from \$25 to \$50 for service-fee. Rather take some promising son or grandson of one of these great sires, some young horse who has a reputation to make. Remember these colts are going to the front some day, when the old fellows who have made their reputation have died off. \$25 or \$30 is enough to pay, and young horses, first class in every way, can be had for that sum. Go 50 miles, if you have to, in order to secure the services of the right horse, rather than take up with one you know is not what he ought to be. It is better to breed to a draft-horse than to do that.

If you have a long-legged, long-bodied mare do not breed to a horse of the same kind, or you will only make the matter worse. If she is short-legged and chunky, choose a horse whose legs and body are of fair length at least. If she lacks spirit, select a sire, if you can, of more than ordinary vitality and vim. In other words, use your best judgment to procure a union of elements that "nick" well!

Breed to have your mare foal in the spring after the cold weather has gone, The foal is delicate and easily chilled, and beside that, the grass will soften up the mare and cause a plentiful milkflow. After all your trouble, expense and patience you must not run any chance of losing that colt.

'Here is what a writer in a recent number of the Horseman says: "I have bushel. known then of refinement, intelligence and marked business ability, men who have earned and love their ease, to get up morning after morning at daylight to see what a new-born foal is like, and frequently the ladies of the house are not pound. far behind. I have seen just such a man nurse a sick colt or brood-mare as he would a loved child. I have had mon who would not speak of an investment per pound. of thousands leave their business to show the stock, and with glistening eyes ton.

Choose a fashionable family if possi- point out a favorite foal, and remark

. . The great curse of the American pound.

THE MCKINLEY BILL.

Agricultural Taris' Changes.

Under this new law, the duties on agricultural products which compete with the products of American farmers have been largely increased. The following summary shows the chief changes in the agricultural schedule :-

Horses and mules from 20 per cent. to 30 dols, per head up to 150 dols. in value; 30 per cent. ad valorem over 150 dols.

Cattle from 20 per cent. to 10 dols. per

Hogs from 20 per cent. to \$1.50 per head Sheep from 20 per cent. to \$1.50 per

Barley from 10 cents to 30 cents per bashel.

Barley mult from 20 cents to 45 cents per bushel.

Barley, pearl, from 1 cent per pound to 2 cents per pound.

Buckwheat from 10 per cent ad val. orem to 15 cents per bushel.

Corn from 10 cents to 15 cents per bushel.

Commeal from 10 cents to 20 cents per bushel.

Macaroni, &c., from free list to 2 cents

per pound. Oats from 10 cents to 15 cents per bushel.

Oatmeal from 1 cent to 1 cent per pound.

Wheat flow from 20 per cent, to 25 per cent. ad valorem.

pound.

to 5 cents per gallon.

Broom corn from free list to 8 dols. per

Eggs from free list to 5 cents per doz-

Hay from 2 dols. to 4 dols. per ton.

Hops from 8 cents to 15 cents per

Plants, trees, shrubs, from free list to 20 per cent.

Flux seed from 20 conts to 30 cents per bushel.

Vegetables, prepared, from 30 per cent. to 45 per cent.

Vegetables in natural state from 10 per cont. to 25 per cent.

Straw from free list to 30 per cent. ad valorem.

Teazles fr. m free list to 30 per cent, ad

Apples from free list to 25 cents per bushel; plums and prunest from 1 cent to 2 cents per pound.

Raisins from 2 cents to 21 cents per

Bucon and hams from 2 conts to 5 conts per bound.

Beef, mutton. &c., from 1 cent up to 2 cents per pound.

Kentucky Horses.

A few counties in Kentucky receive every year a good inany hundred thousand dollars simply because the breeders of that section resolved, some years ago to produce the best of a certain class of horses, which they deemed most suitable to their surroundings, says an exchange. The constant and general effort; of the breeders of that section in this direction has had the desired result, and Kantucky horsemen have, by the excellence of their product, established a reputation that is of priceless value to them, and no doubt their horses bring higher prices than animals of equal merit bred elsowhere. There are many districts that have inst as good facilities for, raising high-class horses of some kind as Kentucky has for producing trotters, and the same chance of getting a similar reputation. And if a country once gets such a reputation it will be a source of wealth as long as, horses are in demand, and Wheat from 20 cents to 25 cents per buyers, knowing they can get what they want there, will be plenty, with competition brisk in consequence. In time of depression, too, breeders in Butter from 4 cents to 8 cents per that section will be the last and least affected, and the first to recover. Cheese from 4 cents to 6 cents per An organization devoted to the kind of horses the natural conditions render Milk from 10 per cent. ad valorem up most profitable, should be formed in overy country which produces a surplus Milk, sugar of, from fr-e list to 8 cents of horses, to push forward and better the stock and secure a reputation that will be of permanent value to the producers.-Horse & Stable:

The November Crop Bulletin.

date the 10th ult. The secretary says :-

We are approaching the end of what has been in some respects the most un-favorable season far agriculture experienced in this province in recent years. New Branswick is not, however, alone in this experience, which has been general throughout North America, with the exception, perhaps, of Manitoba and the Northwest. A wet spring was followed by a dry spell, this again by wet and by dry weather. As one correspondent graphically puts it: "It was hard to get crops into the ground and harder to get them, into the barn." The whole crop falls considerably below the average both in quantity and quality, so far indeed that the enhanced money value, resulting from scarcity, will not restore the balance. It is commonly said when the crop is short, that the increased price will give the farmer as much money as he would have re-ceived from a larger crop at lower prices: but this year the surplus for sale, of prime quality, is so small, comparatively speaking, that the out-look for the winter is not favorable.

In Albert Co. there is a shortage in hay and oats: in Westmorland Co thousand of tons of marsh hay were lost, and the exportable surplus is considerably smaller than usual. The oat crop is also short in Westmoreland and the Kent Co there is a shortage of hay and grain, but the potato crop is above the average. In Northumberland oats are short but other crops are good. The crops of all kinds in Restigouche are very satisfactory. In Kings the exportof oats, hay able surplus and potatoes is less than usual and Queens is deficient in oats and hay and potatoes to some extent. York is short in grain; Carleton has less oats Madawaska will have little produce to export, and in grain Charlotte Co. is short

chronicle a failure in the wheat crop, and the yield per acre is always satisfactory. There would seem to be no factory. There would seem to be no good reason why its cultivation should not increase, although from the lack of of proper milling facilities, which the smallness of the demand in any locality will prevent being supplied, it is not to be expected that domestic wheat flour will ever supplant to any very much be expected that to any very much greater extent, than at present, that brought from the West. It may be interesting to note that, of the total amount of wheat consumed in the Province, about one third is raised here.

Barley did much better than oats this being about 80 per cent of a full crop, mended.

The crop bulletin for November bears 77.4 of a full crop on a larger acreage lands. The keeping of cows that are than usual. The quality is put at 82.2 per cent of prime. Much rot is reported, which will reduce what would otherplus for export.

> ord is shown by carrots, which gave a tion. yield of 87 per cent with quality at 86 per cent.

Our Trade in Agricultural Produce.

We have from the department of agriculture a report of the trade in agricultural produce between Canada and the United States during the year exports were \$70,591 in excess of our which ended on the 30th of June last. The totals are, exports \$16,501,447; imports \$5,842,272, in which horses, cattle. sheep and swine imported or exported for improvement of stock are not included, nor are the exports of swine for other purposes, the value of which it is presumed, was inconsiderable. It is natural that the United States whose boundaries touch our own should be large consumers. of our agricultural products, for in pro- 1887, 1888 and 1889 was as follows: importation will have to be large. In portion to their population they have a smaller number of farmers than ourselves, and notwithstanding the heavy duty imposed on many of our farm products they can be laid down in all of the eastern and many of the middle states at less than their cost when brought from the great agricultural districts of the west. Our largest importations were of corn, pork and flour ; 2,894,838 bushels of the first, valued at \$1:266,910: 15,205,972 pounds of the second, valued and potatoes than usual; Victoria and at \$992,423; and 257,391 barrels of the third valued at \$993,227. In addition to the above we had bacon and hams, \$335,159; lard \$695,859; commeaf \$368,495; This department has never had to and fruits, dried, green and canned, \$456,431. Of all these products, with the exception of the last, no inconsiderable portion has gone to make up the supplies of our lumbermen. Canada should not be so dependent on the United States for its corn, cornmeal and wheat flour, and as the great No-thwest is rapidly coming under the dominion of the plough scribe to the fund to; buy, a ball for our it is likely that the importation of those church. We hope to collect enough to articles will rapidly decline, and our farmers in the east as well as in the nest somest bells now manufactured." should see to it that our markets are better supplied with native meats. If they your church located?" year, the average yield for the Province would keep their farms in a state of productiveness, continually increasing in Peace Street." with quality 80 per cent of prime. The value and in the bulk of their crops, cultivation of barely is strongly recom- they must keep stock to consume their scribe gladly. A man I hate lives near hay, grain and roots instead of selling there."

Potatoes are estimated to have yield- them to the impoverishment of their good for butter and cheese, sheep that are good for mutton or in fleece, draught horses of approved breeds, swine that wise have been a very considerable sur- fatton quickly, yields the farmer an abundant return and keeps his farm in Turnips are returned as violding 80 excellent condition, while by selling the per cent of a full crop with quality at 84, products they would consume, he im-The fall weather was not favorable for poverishes his farm, and rarely saves development of this root. A better rece enough to compensate for its deteriora-

> Our largest exports, the sum of which was \$16,561,447, were:-

	315,715
Horses 19,021	H#7,558
	188,1371
Hay 105,220 tons 1.1	081,802 617.022

Of the latter it will be observed that our imports. From the above it will be seen that during the year the United States took from us in agricultural products about \$3 for every man, woman and child in the dominion, while we took from them about 10 cents for every member of their population.

The average exports of agricultural produce from Canada and the United States to Great Britain during the years

	Theorem yeah Canada. United States 246							
ABTICLES.	CANADA.	United States						
Sheep	47,481	6,464						
Muttonlbs	2,274							
Baron and hams. "	.7.481.6: 5.	334.411.085						
Beef, salted	16 920							
Meats.canned"	637,122.	32,039,982 107,244						
Lard. "	401,0:8.	105,271,659						
Tallow and st'rino "	58 809.							
Buttor	.2,740,684 81,539,460.	5,094,018 74,187,456						
Poultry	1.500.	12.413						
Ragsdozdozbush,	9 901 851	49 417 017						
Barley	6,147.	987,170						
Pens.1. bls. Potatoes. bush.	2.227.585	32,156						
Flour bls	218,209,	6.991,302						
Onions		4.087						
Onions	914,305.	2,541,168						
Flax dressed and under	85¢d	********						
Voollbs		60						
· · · · · · · · · · · · · · · · · · ·								

A CHEERFUL GIVER-Caller: "Beg pardon for intruding, but knowing your reputation for benevolence. I have taken the liberty of stopping to ask, you to subpurchase one of the largest and hand-

Benevolent Individual: "Where is

Caller: "Corner of Restful Avenue and

Benevolent Individual: "I will sub-

Sea Weed.

made of sea weed as a manure abroad, a striking example of this fact. it is extraordinary that more attention is not being paid in New Brunswick to discretion of the inhabitants, for since fields in that region remain green the year 1681, it has been regulated by a royal ordinance, and the use of sea weed has been limited in such a way as to favorize agriculture. The harvesting of these marine plants is now fixed by the administration of France between the months of March and April, that is to say, after their reproductive powers are exhausted. Those which are washed ashore by the action of the waves are rarely employed, since they have lost in the water part of their fertilizing principles.

In the Isle of Re, sea weed constitutes, so to speak, the only manure employed, since there are no cattle on the island; it is chiefly made use of in the vineyards. On the shores of the Channel in the arrondissement of Morlaix from the commune of St. Pol-de-Leon to Plouescat, there is a belt of land 24 kilometres long by 8 kilometres in depth. where market gardening is carried on very successfully, thanks to the abundance of the sea weed which the people of this section have on their shores.

In France sea weed brings about the same price as ordinary manure, itseffects being about the same. Its benefit as a fertilizer for beets has been especially well attested in France. As regards the value of sea weed as a fertilizer Storer says, "It is an easy matter for the farmer to keep a large stock of it is old enough to serve, use it in the cattle upon the grass which the sea same way. Produce a female and the the Canadian hen, the English dealer manure nourislies, and so to supple result will be had as follows: ment that kind of manure by the dung of cattle thus kept. But the stable manure though helpful is not essential. "Here in New England," the author says, "there is abundant evidence of the great value of sea manure. If we throw out of consideration the intervalo farms of the Connecticut river and its tributaries, which are practically farms manured by way of and the farms that irrigation, depend upon the manure from great cities, and perhaps some farms upon Buzzard's Bay, Long Island Sound, and the coast of Maine that are based uponfigh manure of one kind or another the only really fertile tracts in New England are to be found back of those sea beaches upon which an abundant supply of sea weed is thrown by storms. The strips

Considering the use which is being Rye, Greenland and Northampton affords

times more than now) of potatoes, are Juno's blood. This should give an anithat valuable fortilizer by farmers resid- thus grown and sold year after year, mal very much like Juno and better, if ing near the sea. The cutting and use while the country remains fertile and of sea weed in France, is not loft to the fortunate. It is interesting to see the of the interior are brown and parched." The same article gives from the author's own analysis the following facts relative to the composition of rock weed taken organic matter 18,12; ash 3,94.

In and In-Breeding.

The Western Rural says on this sub-"We lay it down as a scientific fact that there is too much danger in it to do it in a haphazard way." In our opinion, the "haphazard way" is a very stupid way and is no criterion for in and in-breeding. We believe in caroful well managed in-breeding. Suppose you have a very excellent female and you wish to reproduce her in her progeny how are you going to do it except by producing an animal baving a large per centage of her blood? To do that you will, in the first place, mate her as well as you can with a vigorous male, choosing him on his record, pedigree, and individuality, with a view of intensifying the the good qualities of the female and bringing to the breeding any good points wanting in her. If the offspring of this mating is a male, as soon as it is old If you then get another male, as soon as

of country behind Rye Beach in New and Jove has but 50 per cent of the blood and down he went.

Hampshire, comprising the towns of of his dam, by mating him with his dam you get Jove 3d, with 75 per cent of her blood, and Jorn 3d, mated with his dam, "Abundant crops of hay and (in former gets Jung 2nd, with 87% per cont. of old good judgment has been used in the first mating with Jove. Such breeding as this depends somewhat on the practithroughout the summer drughts, at cability of controlling the sex. The times when the scantily manured fields Stuyvesant theory of controlling sex, as improved upon and practised by Dr. Rankin, of Linesville, Ponn., has been proved correct and quite practical in good hands. It requires much care and from Hingham harbor: water 77, 49; attention to in-breed successfully and unless you intend to give it that, leave it alone, But the "haphazard way" is as bad in out-crossing as in in-breeding and breeders who go by it are misnamed.

· Trade with England,

The London correspondent of the Montreal Star Sires to that paper that since the passage of the Mckinley bill by the United States Congress, there has been landed in England by the various steamship lines running from Canada one thousand cases, or a total of one million four hundred thousand eggs, and these have met with ready sale at remunerative prices. This correspondent made a tour of business houses, dealing in provisions, and the consensus of opinion among the proprietors was that the Canadian egg trade is now established on so firm a basis that were the Mc-Kinley bill repealed to-morrow Canadian eggs would be shipped to and sold in England in as great and greater, quanenough for use bring it back on its dam. tities than at present. It was further added that even were the United States in 's position to take all the product of would certainly ask especially that the English trade be not diminished. There is practically an unlimited demand for this branch of Car adian product and the future expansion of the trade, is not so much a question of what the market demands, but of the capability of Canadian produce shippers to supply that demand. The McKinley tariff has proved a blessing in disguise by directing the attention of Canadian shippers to the English markets.

"My dear uncle," says a humorous writer, "was the most polite man in the world. He was making a voyage to the Danube, and the loat sank; my uncle was just on the point of drowning. He got his head above water just once, took off his hat and said, Ladies and We see here that while the son of Juno gentlemen, will you please excuse me?

THE POTATO DISEASE.

A Summary of the Reports Received by the Board of Agriculture Under the Special Enquiry Into the Position and Prospects of the Potato Crop in Great Britain in 1890.

The Mark Lane Express of Nov. 3rd contains the following:-

The Board of Agriculture has made special enquiry through the Inspectors under the Drainage and Improvement Acts, into the position and prospects of the potato crop in Great Britain, in view of the appearance of potato blight in Ireland. The general purport of the reports received has been summarised in the memorandum:-

The information placed at the disposal of the Board is drawn from the personal observation of twenty-four inspectors in England and seventeen in Scotland, who have reported on the apprehended extent of disease in the potato crop during the month of September in twenty-eight English and eighteen Scottish counties.

It must be noted that these reports do not profess to offer a general review in statistical form of the yield of the r ato crop of 1890, nor do they claim to exhaustive of the varying conditions of the entire counties referred to by the Inspectors, who must occasionally be understood as supplying only such data as concerned the locality from which the report was dated. After making due allowance, however, for these limitations in the scope of the enquiry, it is believed that an aggregate of very valuable information is available for a sufficient number of typical districts, collected by very competent observers, to represent the condition of the potato crop throughout Great Britain.

It may be useful, before attempting to analyse these statements, to recall the fact that the extent and importance of potato-growing varies very greatly indeed between different parts of the United Kingdom. According to the statistics for the current year, now in process of tabulation, the respective areas devoted to potatoes are as under:

potatoes.

Ross, and Cromarty, where collectively 16,000 acres are grown, is mentioned.

In this part of Scotland, as in many nised as weakening the disease-resisting power of the root. In the Orkney Islands disease has been unusually prevalent. Half of the early crop was no disease at all has yet appeared.

Further west, in the large potato-growing county of Lancaster, a total damage arly sorts, the crops on wet, cold, strong clay suffering most. There has, however, been no spread of disease here of the late crops, on being tested, show only 21 per cent of disease. In Stafford only the early and garden sorts appear to hav suffered badly, from 50 to 75 per cent. of these crops being diseased.

already considered. A very serious and general presence of disease in Inverness, resisting measures. In North Devon of the smallest tubers for seed. some poor crops are noted with 25 per cent of disease, crops in the east and potato land, the reports received insouth of the county being a full average, dicate the general soundness of the with very little disease; while in a crop in the south-east of the county, and limited area in the west, between the the presence of not more than 17 per Tavy and Tamar, as much as 75 per cent of disease in the west. In Norfolk cent of disease among the early potatoes, an average yield, with some failures in and 33 per cent. on the whole, is re- the early crop, but not much disease in ported.

At the opposite extremity of England,

Britain only, where little more than 3 The appearance of disease from August per cent of the arable land is used for 10th to 24th was connected with thick, inuggy weather, followed by heavy cain, Among the English counties, also, the and the spread of the blight was checkrelative importance of the potato crop ed when sunshine returned. Similar varies greatly. In the southeastern mid- meteorological conditions are noted as land, western, and south-western count- attending the outbreak in North York. ies the area thus employed is consider- shire, where some ten per cent. of damably less than in certain counties of the age is mentioned, the early sorts suffernorth and east, where the greater preval- planting of the same sorts. The potato ence of the crop is to be ascribed to soils crops of Hants and Berks are mentioned specially favourable to the growth of the as almost free from disease, but less in bulk.

Notts, with 7,000 acres, and Warwick with 5,000 acres, are the largest potato-English districts, neglect to change seed growing counties in the midland group, or to attend to rotation, is clearly recog- and their little actual disease is reported, although its presence among the earlier kinds of potatoes in gardens is noted. Leicester reports speak of the early crops as "tinged with disease," affected, but not the later and main crop but the later as free and promising a while from Shetland it is reported that full crop. Mention of as much as 25 per cent of disease comes from one inspector in Oxford.

The reports from the western group of I some 20 per cent is spoken of in the counties between Salop and Wilts inclusive concur in pronouncing little occasion for alarm. The main crops seem sound, and 5 to 10 per cent. only since September began. In Cheshire the of harm is suggested, although here blight is not regarded as serious, al- again exceptionally early sorts have though a third of the early sorts have suffered more or less, some of the gardbeen diseased, the most highly-manured on crops being diseased up to 50 per land being said to suffer most, and cent. Change of seed and soil are the "moss" land scarcely at all. Samples among the precautions here also suggested.

In the south-west of England, Somerand in Derby, as also in Cumberland, set, with an area of 7,000 acres, reports but a small proportion of the later sorts diseased, although the earlier sorts ato plots; where frequent planting with The northern Scotch inspectors send the same crop is regarded as the respona more unfavourable report than those sible cause. Among the predisposing causes of much attacks of disease in season's favourable to its development. were badly affected. Change of sort and stress is laid on the want of change in the change of soil are urged as disease- variities of potatoes grown, and the use

> From Lincoln, with its large area of the latter, is reported.

Reports from the five south-eastern Ireland, where the relative importance a full report from Northumberland- counties speak also of but a slight of this crop is by far the greatest (one-fifth where, however, the area is small (4,500 appearance of disease. In Kent, where of the arable surface being employed in acres)-notes the appearance of dis- 14,000 acres are grown, an injury of potato-grawing), lies beyond the juris- case on nearly a third of the farms, not more than 10 per cent. is indicated, diction of the Board of Agriculture, and but only to the extent of 8 to 10 per cold clay soils showing most disease, is necessarily ontside the scope of the cent. where present. Early and gar- and some of the earlier varieties of present enquiry, which concerns Great den sorts have here also suffered most, potatoes most affected. Among the

predisposing causes, other than the wet reporter in Kirkcudbright notes a full summer, noted by the Kentish inspector, early crop, already lifted, as free from ing. Thus, in the east, Lincolnshire alone reports this year an area of nearly total of that region.

Dealing with the information supplied in the order in which counties are grouped for the agricultural produce statistics, it appears that reports have been received from three inspectors relating to districts in Cambridge, Huntingdon, and Suffolk, and furnishing information respecting the East Anglian potato crop. under 10 per cent. In some parishes, it is said, there has never been less disease; and the damage seems largely restricted, as one reporter clearly shows, to cottage gardens, allotments, and poting up to 50 per cent. The inspector who writes for the West Riding, a country with 22,000 acres of potatoes, Adirondacks, Bruce, Myatt's Prolific. speaks of "but little or no signs, and only rumours of disease."

early varities seem to have been much affected. In the potato-growing county of Perth, where little short of 15,000 acres is grown, the inspector believes potatoes on the lowlands to be more diseased than on the higher-lying lands, where the crop is under average, but of disease was examined by a Select Comgood quality. In Fife, where a similiar, mitee of the House of Commons in 1880, the maritime provinces. But they are or indeed slightly greater area is grown, sorts being nearly free from disease, alhas been done to some early varities, which, it is contended, are always more or less subject to disease.

the crop covers over 13,000 acres, the paratively sound. county of Edinburgh states the early crop as under average, and showing 25 to 50 per cent of disease, but the late or -A family residing in the little town of With ensilage for the bulk of your fodder the main crop little effected. The bord- Cumbinnen possessed a gander which you can make up a better and cheaper er countles of Roxburgh and Berwick was particularly obnoxious to the neighshow little disease observable except in bors, as it hissed at and even bit the early garden crops,

a fair average for the later crop. The drawn.

only 20 per cent, below par-

43,000 acres, while a group of contiguous very general concurrence of opinion on appointed Dr. Steeves to prepare a counties in the north-west, viz., Lanca- the part of the Scotch inspectors as to paper on the subject, to be read at their shire with 37,000 acres, Cheshire with the "Regents" being among the varities next meeting. This is a move in the 24,000 acres, and the West Riding of showing the most disease. The varities right direction. We think the subject York with 22,000 acres, swell the relative reported by the Scotch inspectors to be is in good hands. most free from disease generally are the Bruce, Fortyfold, Dons, Sutton's Rocks, be; as well understood by them as in this category in certain reports.

In England the varieties pronounced, most generally free, or disease-resisting, who have adopted it do not give it up. were the same as in Scotland, the Mag-All three report but a slight presence of num Bonum being most frequently and A longer list of other varities appearincludes the following :- Maincrop,

out that this may be not improbably is far superior to corn for feeding. ascribed to the period when the wet weather, to which the development of the disease was largly due, prevailed in the past summer. When the subject of putato lar stage of the growth of the plant.

The general result of the present en-South of the Forth the county areas of the potato crop in Great Britain under potatoes are smaller. One general from disease is to be apprehended, as tudes. Ensilage can be grown and report from the three Lothians, where the late or main crop is regarded as com-

women and children who came into the In the south-west, Ayrshire, where yard. Complaints were made to the hear Howell, that you have joined an 8,000 acres are grown, reports an early police, and a constable was detailed to athletic club. That seems odd for a crop deficient by a third; a late crop 50 watch the animal and report its conduct man who would not go four hundred per cent. below the average, and one- from time to time. After a while the yards without taking a cab." third diseased. In Lanarkshire, on the manners of the culprit showed a marked contrary, the inspector's verdict indicates improvement, and the watch was with- to distinguish myself. Just think I've

The Silo.

The St, John County Agricultural is the loss of vitality from continuous disease, "a half early crop" suffering to Society are seeking information about potato and special facilities for market- the extent of 50 per cent. and a late crop ensilage, and we are glad to see they have made a decided step in that direc-As to crops most affected, there is a tion. At their November meeting they

It is for the best interest of our Champion and the Magnum Bonum, farmers and dairymen, that the best Other varities, however such as the methods of ensiloing their crops should Kidney, and Maincrop are also placed haymaking. It is noticeable that the silo grows in favor and stays wherever it is introduced, and those farmers

PEAS AND OATS.

Oats grow well in our provinces and disease varying from 15 per cent. to the Champion repeatedly mentioned, so do field peas. They grow well together and make a capital crop for the silo. The ing free from disease in certain localities impression that corn is the only crop that can be successfully ensilted, and Early Rose, Abundance, Sutton's New that it cannot be grown to mature suffi-Ashleaf, Victoria, Early Puritan, Pat. ciently for ensilage in this climate, deters terson's Victoria, Early White Beauty, many of our farmers from adopting the Rocks, Snowdrop. Daniels, Imperator, silo. They are correct to the extent that there are localities in these provinces In view of the general concurrence of where the larger varities of corn will not reports respecting the exceptional pres- mature to make the best ensilage; and In Aberdeenshire, Banff, and Elgin all ence of disease only among the earlier it is in such locations that peas and oats varieties of the potato, it may be pointed may be grown and ensilage made, which

SHEEP ON THE SILO.

Many of our farmers think that as we cannot compete with South America and Australia in the production of wool that sheep are not profitable stock to raise in it was reported that among the essential wrong. Sheep will pay well here, but a fair average crop is noted, the later conditions for the full development and the large breeds for mutton and lamb rapid spread of the disease was the coin- would seem to be the kind of stock to though as much as 50 per cent damage cidence of moist weather with a particu- raise. To raise them successfully roots, or some succulent fodder is needed in winter. The silo meets this want perquiry appears to be that no serious loss fectly and in this matter alone is a great boon to the sheep grower in these latistored more cheaply than roots or hay and in practical use better results can be obtained with less expense A GANDER UNDER POLICE SUPERVISION. feeding ensilage than with hay or roots. ration. .

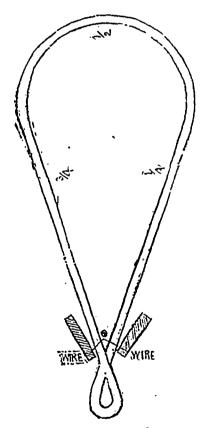
AN ATHLETE'S TRAINING.—Bysopps: "I

Howell: "Desh boy, that's why I hope been saving my stwenth!".

THE KITE-SKAPED TRACK.

It is Expected to Revolutionize the World of Horse Racing.-The Records Mave Got to Come Down.

Horse racing has reached such vast proportions that the trotting courses and paraphernalia of a racing stable to the most minute detail are made as nearly perfect as possible, and all that human skill and money can produce are brought into play. To the breeder of today, a 2.30 trotter is of little consequence, and he therefore strives in order to prove his theory to produce not only the 2.20 and 2.15, but the 2.10 and 2.08 performer. Since the day that the queen of the turf, Mand S. made her famous mile of 2.08%. the nearest approach to a record-breaker was been the California-bred filly Sunol.



THE RITE-SHAPED TRACK.

Woodburn will be on trial on the new styled track, which is in the shape of a inch in width, thus forming a four-foot parabola, or as it is commonly called, the kite-shaped track, which has furnished such universal astonishment in the turf world.

Association, and an illustration of it is year-old stallion in 2,23} and a mile in I got acquainted with my wife.

herewith given. Mr. Fasig's idea was the third heat of a race in 2.132, by the to have a track exactly a mile long with Montana pacer. B. B., whose history straightaway stretches one-third mile and ancestory are unknown. in length, and a one-third mile turn, with, a loop at the small end of the track for favor of the kite-shaped track. It is adscoring and finishes.

built one of the finest race tracks in the 2.10- Roy Wilkes reduced the pacing scoring. stallion record from 2.121 to 2.09, and a day later to 2.08}; Major Wonder paced in 2.143 in a race and Manager, a more baby, by Nutwood, reduced the two-yearold pacing record to 2.161. Among the trotters, Margaret S. trotted the best three consecutive heats on record for a four-year-old, and then reduced her record to 2.121, which is, next to that of Supol, the best on record for her age: Jack trotted in 2.13 and repeated in 2.121, and Alabaster by Aberdeen, trotted the third heat of a race in 2.15, which is the best on record for a four-year-old stallion in a race. All these wonderful performances created suspicion and led many to believe that the track was short, but a meeting on the kite-shaped track at Kankakee, Ill., settled all doubts as to the new styled course being the fastest in the world. The Kankakee track is of much finer soil than Mr. William's and is considered a trifle faster. The track in the stretch is 80 feet wide, and on the turn 65 feet wide, nine horses being allowed to start abreast. The track is on a level from start to finish, and in the stretch has a pitch of three-fourths ot an start to the track on the stretch, and making it easy for a horse to travel. The first performance of note at Kankakee was, perhaps, the most important of the The idea of a track with two turns, year, considering that the stallion Nelson which would also have a straightaway reduced the world's stallion record to results that a lifetime is too short to refinish, such as the Morris park and 2.111, which was immediately followed pent of." Mommouth running courses, was first by the performances of Green lander, by suggested by William B. Fasig, the sec- Princeps, who trotted in 2.151; Natmeg, the resson?"

There are many strong arguments in mitted that on a track with only two It was not until this year that a public turns and with straightaway stretches, test of the kite-shaped track was made, a horse is enabled to cover a mile in It remained for that progessive young faster time then on a circular track, in horseman, C. W. Williams, of Indepen- that with but two turns every horse in a dence, In., to first indroduce it to the race, with the exception of the one at the public, and with nearly half of the \$105, pole, would trot a shorter mile, and be 000 received for the stallion Axtell, he able to reach the wire in quicker time.

The kite-shaped track is always the West, and at the summer meeting not safest from collisions, as accidents are long ago he and the track created a de- almost entirely confined to the first turn. cided censation in trotting circles. On The word is given to a long stretch of this track the trotters and pacers were straightaway, and there is no incentive able to make from two to five seconds on the part of the driver to rush for the better time than they ever accomplished pole, so as to have an advantage on the on the regulation course, and each first turn obtained on the circular track, day brought out a phenomenal record- and with a third of a mile of straight breaking mile. Among them, Crick- track all horses in a race have an equal ct, by Steinway, the pacing wonder from show with the pole horse, which does California, took a 5-year-old record of away with all unnecessary and tedious

> The question of whether or not the kite-shaped track will succeed the circular course is at present the leading topic of conversation among the prominent breeders of America, and the outcome will be watched with great interest.

> Dr. A. B. Cunningham, of Annapolis, has sold to W. S. Jewett, of St. John, N. B., the handsome and highly bred two year old fillie, Kitty Wilkes, sired by Judge Folges,5,516, by young Wilkes 2.281 son of George Wilkes 2.22, dam by J, R. Resse 2.351, by Walkill chief 2.30, son of Hambletonian 10. She is standard bred and called very promising. Dr. C. sol.! a 3 year old last spring for a long price being by a son of Geo. Wilkes and out of a daughter of Nambrino Boy. She is bred in the purple and on top in the fashion. Axtel 2.12 and Allerton 2.131 both being bred the same. She is now placed in a sale catalogue in the United states, priced \$1.500, showing that we are improving in high class breeding in the province. This is right, and we are glad that Kitty Wilkes, the last sale, has not gone to the States, this being another choice standard animal retained and added to New Brunswick.-Halifax

HIS SAD EXPERIENCE.—"No. I denounce flirting from the bottom of my heart," asserted the married-looking man. "I think-it very often esleulated to load to

"You are unusually energetic, what's

retary of the Cleveland Driving Park by Nutwood in 2.19; Faustina, a "two-" "Well, it was through a flirtation that

A Gold Medal Farm.

กรด ing feature. His shorthorn herd of twelve for many years; had Mr. Davidson given you now imagine. ing plan than raising the calves on the that the soil of Barrington, except where farm. Mr. Brodie's imported Clydes in- it has been carefully cultivated, is not food occasionally, the cabbage leaves and cattle the object aimed at is to keep both, for the best kept and most run, they pick up lots of food you can them steadily and rapidly growing productive farms, circumstances of scarcely include in your feeding. Mr. Brodie's farm, on which this stock soil, etc, etc, always considered, and Do not neglect to give them a little salt is kept, and which, practically, is a 94 charging a small fee to each competitor occasionally, if you feed soft food. Say, acre farm, with the exception of one of to cover the cost of inspection and other a teaspoonful for twenty fowls. five acres, and one of 24 acres of hay, is expenses. divided into 12 acre lots for roots, pasture and the different grains. Manure is applied at the rate of about fifteen tons an acre in the fall for the root crops. Ploughing and harrowing follow the harvest, and as soon as dry in the spring lish it. No charge is made. the ground is again thoroughly tilled. For roots the drills are 27 inches apart. For corn the spring cultivation is very shallow; the rows are three feet apart. and the seeds not closer than one in every six inches. For grain the land is surface-worked in the spring. Barley and wheat are sown; at the rate of 17 to 11 bushels an acre, and grass seed, equalparts of timothy and clover by measure, peas the sod is not ploughed until spring, pacer, is lame.

the seed being sown at the rate of 2 The Ontario agricultural and art as- bushels an acre. After the peas are harhead were in splendid shape. About 30 his attention to farming exclusively, head of store cattle are bought late in we have no doubt but that he could have the fall and fattened during the winter. shown a record hardly less honorable than

STOCH NOTES.

We cordially invite all Stock men and Horsemen to use these columns. Diop us a card are infested with lice. To remedy this when a calf or colt is dropped or when a evil put lots of fine earth in the house. sale is made and we will be pleased to pub. Not gravel, but earth that will become

Mr. Geo. Carvill, of St. John appounces that his yearly filly "La Grippe," by Speculator, has been harnessed and dr ven on the road. She stands 15 hands, healthy hens and plenty of eggs, if you and gives promise of great speed. Her feed them properly. owner has entered her in the two-yearold race which is to be opened in Fredericton next autumn.

at the rate of 12 pounds per acre. For Wilkes, record 2:091, the best for a

Sheltered Water Troughs.

It is worth while to have your watering sociation, sometime since offered prizes vested the ground is well cultivated; trough sheltered by a shed, so, that on for the best kept farms in the province, surface cultivation follows in the spring stormy days this winter, the cows can that inight be entered for competition, and cats are sown at the rate of 17 to 2 drink all they require, shielded from the consisting of gold, silver and bronze bushels an acre. Mr. Brodie has no oc- searching blast. You will find, also, medals. The judges have completed casion to expend money for artific- that you can save yourself labor, shoveltheir inspection, and the highest prize ial fertilizers. By feeding the prod- ling snow and cutting ice. It is not the has been awarded to C. J. Brodie, whose uce of his land on his land, its fertility is most pleasent job on the farm, when the farm consists of 94 acres of arable land constantly enhanced. Nothing which thermometer marks 10, to 20 deg., and and 6 acres of hardwood bush, in the will promote the growth of a blade of a strong wind is drifting the snow aparish of Whitechnich. After describing grass is permitted to go to waste. All bout you. In such weather the cattle "straight the straw passes through the stables, coming out of the stable, will not stand rail" and wire, the inspectors give an ex- The solid and liquid manures are to- long enough to drink all the water they haustive description of the fields and gether wheeled out, and the cattle, horse, want. And yet they need the water and buildings. The soil was a stony, clay sheep and pig manures well intermixed, suffer for the want of it. The milking loam, well underdrained. Not a stick and the cattle are allowed to tread it cows show the loss at the pail. The or stone was to be seen in any of the solid to prevent exposure to the air. On other stock do not give any immediate roads, fields or fence corners. The fields an average 500 loads of first-class man- sign of loss, but they are just as surely were wholly free from thistles and all ure are made yearly. About 100 loads injured. We have seen cows, in warm, noxious weeds. The barn was 100-54 are taken away and applied in the early neely ventilated stables, drop off in feet, set on a stone wall 12 feet high, the spring; the balance is left till fall, when their milking in cold weather, simply basement of which was divided into it is used in preparing the land for the from lack of shelter at the watering stables, the whole being admirably root crops. We have no farms like this trough. They would not stay long eplanned for the storage of hay, roots and Whitechurch farm in the Maritime pro- nough at the trough to drink sufficient grain, the threshing of the latter and vinces and no furmers like Mr. Brodie. water, and as a consequence would not the feeding of stock. The stables for Many years ago this Mr. Brodie's system consume their full ration of fodder. A horses were block paved and those for was adopted by Mr. Oscar Davidson, in thirsty animal will not feed well. If cattle were floored with Portland cement. a small way, who on a five acre field at you can bring the water into the barn Mr. Brodie, says the report of the judges, Barrington, N.S., cut annually about 20 for your cattle, without too much cost do makes stock raising and fattening alead tons of first class timothy hay and clover so. It will pay you in more ways than

POULTRY NOTES.

As to the food for hens, it is summed Mr. Brodie regards this as a better-pay- Mr. Brodie's, for it must be remembered up in the word variety. Give them some grain, the scraps from the table, soft clude actallion, two mares, a filly and much unlike that about Windsor Junc- celery tops chopped up, lime in some two colts. Little is done with sheep and tion. We think our agricultural societies shape, and plenty of fresh water. In pigs, and no store cattle are kept during might do much to promote good farm- fine weather let them run out about the the summer months. In feeding young ing by offering medals or diplomas, or barns, for besides the exercise of such a

> During the winter, in these latitudes, fowls are necessarily confined to a very limited space. As a consequence, they Not gravel, but earth that will become fine as dust, when the hens scratch and wallow in it. So do not neglect to have a few inches of dry earth in your hen house, and in return you will have

Gentleness and firmness, are as necessary with horned stock, as with horses. It takes that quality in a man to make It is reported that the pacer Roy even a good milker. Don't be noisy among the cows, and under no circumstances. strike them.

Butter.

The reason such fine butter is the rule in Denmark, instead of the exception as it from Umritsir to Lahore, where they which employ expert teachers and conof the product. In New Brunswick real form grade of butter comes throughout ing youth, sayingthe year. One great reason of this, and probably the principal one, is that very few of our dairymen or dairywomen really know how to make good butter. They work entirely by the "rule of up some little way outside the station. thumb," a rule that will work well enough if all the conditions happen just right. Until our buttermakers recognize the lecessity for systematic scientific knowledge in their work, fine butter of uniform grade will remain scarce in our markets. The tion for making good butter, and we wish we could say the same for Blue-noses. rut. The Agriculturist will do what it it, didn't you?" he asked. can to hasten a reform in the methods of butter making among our farmers.

A movement is on foot, corresponding it?" with the needlework of England and Ireland, to advance the farming and dairy interests for the benefit of women. Little girls are being trained to raise poultry, make cheese and butter and brand them with the badge of excellence. turned; "will you fellows lend me some The agriculturas, industrial and scientific dibs?" worlds are levied upon for improved machinery and appliances. Not only are as he was in regard to money. the cattle fed in Danish fashion, but by the use of special methods 10 per cent. more butter is extracted from a gallon of milk than ever before. These fancy pro- the ticketless one. ducts are put in the highest markets, and yield a revenue not to be approached by the old system of women's work.

Keep your stables clean, and you will will find it easy to keep the stock clean. Don't think of bringing sweet milk, from dirty, bad smelling stables. Get a haycutter, and cut your straw for stable bedding. It will keep the cows cleaner, and make the litter go further. Besides, the manure will be in better shape for spreading on the land.

Prices in England, 1788 were, upon an aversge-Meat, 5d. per. lb.; bread, 4d. or 5d. a quartern loaf; eggs in spring, 16 or 18 for 4d.; fowls in summer and nutumn, 1s. 6d. a pair; loaf sugar, 7d. per. lb. Washing always done at home, and everything ironed, as mangles then cost

Always Travels Under the Seat.

Three brother officers were travelling is with us, is that greater attention is giv- had been playing polo during the afteren to the industry. The little kingdom is noon. One of them, tired after the game, dotted all over with butter factories fell asleep on one of the seats. His railway ticket, which was sticking a little out sulting dairymen to keep up the quality of his pocket, was promptly annexed by one of the others and transferred to his fine butter is a rarity, but what is still own pocket. When nearing Lahore his rarer are dairies from which a fine uni- brother officers awoke the sleeping

> "Now then, old man! Get up! Here we are!"

> It was still broad daylight, and for some reason or other the train was pulled

"All tickets ready, please!" shouted the ticket collector.

Two of our friends promptly found theirs, ready for the ticket collector ing \$15,000 the first year, \$16,000 the secwhen he should make his appearance. The third searched this pocket, that Danes are justly proud of their reputa- pocket, here, there, everywhere, but could find no ticket.

"Good gracious! where is my ticket?" Reforms are usually slow, for it is diffi- he said; "I know I had one right enough each. The increasing appropriation concult to get the average farmer out of his when I started; you fellows saw me get

> "Yes, you had it right enough," they said; "where on earth can you have put

"I dont know, blessed if I do," he replied, in desperation.

"You'll have to pay the fare," said the others consolingly; "it's not much."

"But I haven't a cent with me," he re-

Both said they were as high and dry

last, quite close to the carriage.

"What the dickens shall I do?" said

"Ohl get under the seat," said the others; "quick! quick, man! here he comes!"

Under the seat like a shot went the man without a ticket! When the ticket collector came to the door three tickets were handed up.

"You have given me three tickets, sir" he said; "but I see only two gentlemen; where is the third?"

"Oh! he's under the seat," they said, with the greatest nonchalance, as if it were an ordinary every-day affair.

"Under the seat!" echoed the ticket collector in a tone of suprise; "what is he doing there?"

"Oh! he always travels under the sent," they said :"he prefers it!" Whereupon the poor fellow crawled

out from under the seat, in a terrible state of heat, and covered with dust and dirt, looking rather ashamed of himself.

CHEESE.

Canada Ecading the World.

During the past few years the increase in the production of cheese in the Dominion of Canada has, been something maryelous. The Canadian cheese pro-dicers have taken a point from their American cousins, and built up a demand in the European market for their product. Having kept up their standard, they have gained a first-class reputation for their cheese products in the foreign market, which they are zealously guarding.—Am. Dairyman.

The Department of Agriculture at Ottawa has received advices from Scotland that Canadian cheese has carried off first prize, beating all competitions.

Are Agricultural Colleges in Luck?

"It is said that the agricultural bill passed by Congress Aug. 30, appropriatond year, and an additional \$1,000 each year thereafter to State agricultural schools, has been so construed by the Comptroller of the Treasury that all these institutions will this year receive \$31,000 tinues till the annual appropriation reaches \$25,000, at which amount it remains stationary. Experiment stations will also continue to receive \$15,000 each year from the Government."-Breeders Gazette.

Warmih and Ventilation.

Make your stables warm and ventilate them. Animals require less, fodder to sustain life in comfortable quarters and can apply a larger proportion of their rations to the production of milk or beef. It costs more to winter stock in a cold "Tickets please!" said the collector at stable because it takes more fodder to keep them. Ventilation is necessary to the health of the stock, but it should be in the ceiling or roof, not through crevices between the boarding. Make your stables comfortable for this winter and you will never be willing to winter stock in cold stables again.

> A whirlwind carried up the haycocks at Maidenhead, and deposited them on the other side of the Thames.

> EXCELLENT REASONABLE TABLE. RATES:

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WINTER ARRANGEMENT, 1890.

ON and atter MONDAY; 24th November. 1880, the trains of this Railway will run daily (Sunday aveceted) as follows:—

TRAINS W L. LEAVE ST. JOHN

Day Express for H.f. x and Campbellton	7.10
Accommodation for Point du Chene	1.10.en
Fast Express for Halifax	113.30
Express for Sussex	16.30
Express for Sussex. Fast Express for Quebec and Montreal	16.55

A parlor car runs each way on express trains; leaving St. John at 7.10 o'clock, and Halifax at 7.15 o'clock. Passongers from St John for Quebec and Montreal, leave St. John at 16.55 o'clock and take sleeping cars at Moneton.

The train leaving St. John for Quebec and Montreal on Saturday at 16.55 o'clock will run to destination, arriving at Montreal at 18.05 Sunday evening.

TRAINS WILL ARRIVE ATST. JOHN.

Express from Sussex	1 8.30
Fast Express from Montreal and Quebec (Monday excepted)	6 95
Express from Sussex Fast Express from Montreal and Quebec (Monday excepted). Accommodation from Point du Chene. Past Express from Halifax.	1255
Fast Express from Halifax	22.30

The trains of the Intercolonial Railway to and from Montroul are lighted by electricity and heated by steam from the locomotive.

All trains are run by Eastern Standard Time.

D. POTTINGER.

Chief Superindendent.

Monoton, N. B., 20th Nov. 1850.

BUCTOUCHE& MONCTON RY

On and after THURSDAY, JUNE 12, trains will run as follows

Leave Buctouche...7.15 Leave Moneton....15.33 Arrive Moneton.....9.15 Arrive Buctouche...17.33 C. F. HANINGTON. Manager.

Moneton, June 10, 1890.

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Human Hair Goods of Every Description Kept on Hand.

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JAMIE THE LAIRD, (3704), (600),

has stood at the head of our study for five years, and we propose solling a number of his get, all of which will be offered at reasonable rates. These colts are of the most royal breeding, and good animals individually. By dropping us a card, we will mail a catalogue of the stock new offered

Remember that we also breed Shorthorns, Holsteins, Shopshires, and Cheviots.

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ALL RAIL LINE TO BOSTON &C.

"The Short Line" to Montreal &c.

A BRANGEMENT OF TRAINS: in effect A Oct. 12th, 1890. Leaves St. Juhn Station— Eastern Standard Time.

6.30 a. m.—Flying Yankee for Bangor, Portland, Boston, &c., Frederictor, St. Stephen, St. Andrews. Houlton. Woodstock and points North. Parlor Buffet Car St. John to Boston.

7.35 a. m.—Mixed for Bangor, Portland, Boston, &c.; Fredericton, St. Stophen, Boulton and Woodstock.

4.40 p.m.—Express for Fredericton and intermediate points

8.45 p. m—Daily Express for Bangor, Portland, Boston; and points west; daily, except Sunday for St. Stephen, Houlton, Woodstock, Presque-Isle &c.

Pullman Sleeping Car St. John to Bangor.

10.45 p. m.—Kzcept Saturdny, Fast Express, "via Short Liue," for Montreal, Ottawa, Toronto and the west. Canadian Pacific Sleeping Car for Montreal.

RETURNING TO ST. JOHN

FROM BANGOR, 5.45 a. m., Parlor Carattach-od: 7.30 p. m., Daily Sleeping Carattached. MONTREAL, "via Short Line," 7.45 p. m.; daily, except Staturday. Canadian Pacific Sleeping Carattached.

VANCEBORO * 1.10, 10.25 a.m. and 12.45 p.m. WOODSTOCK 6.00, 11.40 a. m., 8.30, p. m.; HOULTON 6.10, 11.35, a. m., 8.30 p. m.; ST. STEPHEN 7.45, 10.15 a. m., 9.50 p. m.; ST. ANDREWS 6.55 a. m. FREDERICTON 6.20, 10.30, a. m., 3.15 p. m.

ARRIVE AT ST. JOHN • 5.40, 9.05 a. m., 1:20

LEAVE CARLETON:

8.00 a. m., 3.00 p. m.-For Fairville, . Trains run Daily. 1 Daily, except Saturday. For Tickets, Sleeping Car Berths. Timo Tables and all information apply at the CITY TICKET OFFICE, CHORN'S CONNER, or at the station. FIRE INSURANCE.

OLDEST SCOTTISH OFFICE.

CALEDONIAN INSURANCE COMPANY.

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FOUNDED 1805.

AUTHORISED CAPITAL. CLAIMS PAID, EXCEED

\$5.000.000. \$10.000 000.

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Agents at St. Stephen. Agent at Fredericton. Agent at Moncton. Agent at Woodstock.

COWIE & EDWARDS

General Agents for New Brunswick, 90 Prince Wm. street, St. John, N. B.

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Building Property

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Lot of Wilderness Land known as the "Kouchibouguac Lot" containing 250 acres more or less, situated near Dickie's Mills and about five miles from Shediac.

Lot of Wildernes Land konwn as the "Abougaggin Lot" containing 200 acres more or less, situated about fifteen miles from Shediac on the Main Road leading to Cape Tormentine.

Two Building Lors, situated on the beach below Shediac numbers 17 and 18 respectively.

For particulars apply to G. C. & C. J. COSTER, Barristers, St. John, N. B.



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A Choice Collection of Stallions, Marcs and Colts constantly on hand, imported and homebred, of the highest individual merit and unexcelled breeding.

I have selected my own horses, with due regard to size, quality and breeding, from the best and most reliable breeders in France, and will guarantee every animal sold.

Intending purchasers will do well to inspect these horses and satisfy themselves that this is the place to buy.

I am also offering four or five Percher-on Colts which can be had at reasonable

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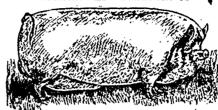
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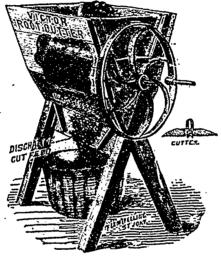
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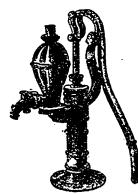
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