CORNWALL'S POISON KING.

ONE MAN PRACTICALLY CONTROLS THE WORLD'S ARSENIC SUPPLY.

Cleaners Gather the Deadly Article by the Roadside-The Simple Process by Which It Is Made Ready for Use - The Men in the Milling Room Wear "Muzzles."

If Africa can boast a diamond king and America a silver king. England has its arsenic king, for there lives in Cornwall the representative of company of manufacturers who times has all the arsenic in the world, or most of it in his hands, writes correspondent. Not many months ago this gentleman held £60,000 worth the crystalline stuff. England has practically the world's monopoly of ar, senic, and England in this case means Devon and Cornwall.

desolate to look at that one could imagine. It was as if here and there these monstrous rubbish heaps was silence. The cottages were deserted, the buildings had fallen in. Nobody ever came near. There were the sites feet high, and from three to four feet high feet children, peering, groping, picking, is closed up with an iron plate careand women are gleaning. Not, in- walls will serve for leakage. Here and deed, for the yellow ears which give there along a series of flues one sees ready for market as early as possible, bread, but for the white stones which little jets of escaping fumes, where give poison. They are searching the burrows for white mundic, mechani- of course a considerable quantity is mispickel went to the rubbish heap. gleaners are searching for arsenic, the wickedest and most infamous of mineral poison.

The word arsenic is apt to fill the ordinary mind with gloomy visions. To the chemist, to the industrial and to the husbandman, however, the word a heap of the bluish-white soot. all the chicks with one hen, and if the cans with cheese cloth. Fowler it became a medicine which has restored vigor to the blood and

COLOR TO THE CHEEKS

of thousands of sufferers. It is also the active principle in sheep-dip, and a prominent manufacturer whose name is known all over the British empire to the composition of certain kinds of shot, and in the form of Paris green other extraneous matter, deposit, We have never had but few June the phylloxera of the potato. In the Calstock district in Devonshire the ic is then taken to the milling room, until the dew dried off in the morning. sul's, Holmbush, Okel Tor, Coomberworks, Gawton and Westlake-until recently have been producing about 600 vance, it is tightly packed. tons of arsenic a month. Arsenic is now worth £23 a ton. A few years ago it was worth but £13. The rise in the

arsenic is the soot of soot-that is to Perspiration would open his pores and never be considered wasted. say, it is the soot of crude arsenic, facilitate the entrance of the irritatwhich is the soot of ores or of mundic. ing arsenic dust to his skin. He must be made the source of a neat income; The stones or ores as they come from reason. One hears little or nothing enough for his own family, selling nevthe mines are crushed by stamps main- of any seriour injuries occurring to the er an egg nor a feather, still they will a first-class hears in connection ly driven by water power, to the con- workers. There was one fatality re- pay better than almost anything else sistency of sand or gravel. Mundic cently and that was only indirectly requiring no more outlay, either in is usually less finely crushed than the connected with the arsenic manufactime or money, than they. ores which are treated for tin. This ture. A little girl, who was carrying sand or gravel is then shoveled into dinner to her father at the East

the.e. true enough, after a few minutes plate on which she had imprudently said Mr. William Thomas, of the Cam- ventured, and she was drawn out pie "He produces a piece of white mun- the effects of which she died some die, which we had picked up on one of hours later. off a small piece and pounded it into ing made of the dangerous products by its size, so says a writer in American

tube with some of the crushed mundic Bristol, were found to contain sand. the gas. Almost immediately a BRIGHT YELLOW CLOUD

flew up, staining the tube yellow. "There goes the sulphur," said Mr. Thomas. This was followed by white smoke. "That is the arsenic," he said. As rapidly as it volatilizes, so rapidly does it condense. The arsenic fumes begin to deposit their soot as soon as This was to be seen by this experiment, for drink! also. The white smoke escaping from the tube deposited a grayisn film on know I have lately taken to walking away in powder when the tube was bed prepared.

tapped against the paim of the hand. "That is crude arsenic," said Mr. Thomas. "To obtain refined arsenic, the arsenic of commerce, all you would have to do would be to roast that powder again. The second roasting would is the fashion? free it from any carbon or other substances which it may contain."

The manufacture of this poison is est. indeed terrible in its simplicity. One afternoon I had taken enuge in a table. a gentleman who is largely interested in this industry.

"It is the simplest thing in the world," he said, "Look here is a piece

there, true enough after a few minutes was a deposit, which, when scraped, came away in the form of grayish powder. "That's arsenie," he said; "would you like to taste it?

Arsenic then, is the soot which is deposited by the fumes which rise from the roasting of arsenical ores. these fumes were allowed to escape up a long chimney direct from the furnace, that chimney would soon become choked with white soot; but much would escape with the rest, and

WREAK DEVASTATION

abroad. Arsenic fumes are very danlife, and, accordingly, even when this soot had little or no commercial value, care was taken by the manufacturers to avoid the penalties of the alkali and other acts, to allow as little arsenic as possible to escape with the smoke from their furnaces. The smoke from the calciners is accordingly allowed to escape only after it has deposited every atom-as far as this is possible-of its arsenic soot. To produce this effect it passes through nu-A year or two ago there were in merous chambers before it reaches the

The number of these chambers varvastated the country. All around series of chambers form one long zigzag passage broken at intervals by mounds have appeared men, women and ing out the crude arsenic or soot-Arsenic has a great affinity for oxygen, so that the slightest crack in the the arsenic-as they say in the disrtict-is "smeeching." In this way, were discovered in various cracks and der the floors of the chambers.

THE CRUDE ARSENIC

lar periods.

ceeded from the carbon and other ex- set another hen at the same time. traneous matter, but this heap con- This is late in the season, when one hen tained at least 70 per cent. of pure can take care of twenty-five or thirfrom £17 to £18 the ton.

The crude arsenic has to be refined, We often hear people say there is no If warm milk is added to cold, it preglass, is mixed with lead for making the hot five the carbon, flue dust and dew. whilst in the zig-zag chambers what chicks droop and die, and those few charged direct into the barrels, in chicks is the practice of feeding almost which, by ingenious automatic contri- exclusively on corn-meal dough or bat-

The men who attend in the milling | Corn meal should not be fed at all Pool works, fell into one of the flues, "I can show you the whole process the arsenic having corroded an iron

the burrows at Dorcoath mine, broke Nor does one hear of any ill use bepowder with a hammer. He then took those engaged in its manufacture. I Gardening. a glass tute, which was bent at an made many inquiries and could only angle of 60 degrees. "The part which hear of one case, where a love-lorn maimines-"represents the turnace, and also heard that three barrels out of the the part of the tube which slopes up- consignment of crude arsenic shipped He then loaded the lower part of the an English company, to a refinery at Portuguese miners who stole it mean to make of their plunder.

AN EXCUSE.

in my sleep, and I thought I'd go to

PARADOXICAL.

Modiste-Oui, madame! Ze ver' lat

PRODUCTION OF PINS.

The largest pin factory in the world of arsenical stone," and he produced a is at Birmingham where 37,000,000 pins velop into fruit buds. A fine wire is And all SUMMER COMPLAINTS of glittering pebble. "Well, with noth- are manufactured every working day. and that shovel there, I can produce turn out about 19,000,000 pins around left two or three weeks price, 35c. and that shovel there, I can produce enough arsenic to kill every man, woman and child in this cottage within a few minutes." So he put his piece of white mundic in the fire, and held the fire, and held the shovel over it so that the function of pins per day.

All the other pin factories together turn out about 19,000,000 pins every day to use up the propulation of Europe at 250,000,000, every fourth person must cut directly around the tree, merely sever every day to use up the production of pins per day.

The "Chronicle" is the only duction of pins per day.

The "Chronicle" is the only duction of pins per day.

The same effect at 250,000,000, every fourth person must cut directly around the tree, merely sever every day to use up the product of the downward flow of sap. The same effect at 250,000,000, every fourth person must cut directly around the tree, merely sever every duction of pins per day.

PRACTICAL FARMING.

FOWLS ON THE FARM.

Not many more years ago than can be counted on the fingers of one hand not one farmer in ten knew the names day by day when used, there should be of a half dozen breeds of poultry. But a thorough annual cleaning, and there to-day the farmer who cannot tell his is no time when it can be better done choice of the different breeds, and the than at this season of the year. In this of breath, smothering feeling, palpitareasons of his preference, is considered behind the times. This is as should be for nowhere else can a small gerous to vegetation, as well as to floc kof fowls be made to yield so much clear profit as on the farm, says a

It seems to me best that the farmer should keep but one variety of chickens if he intends raising only for eggs, broilers, or market stock.

We have settled on Buff Cochins as the kind that suits us best. They are extremely gentle, of large size, quick stable scrub all woodwork with hot growth, taking only about two months water and then whitewash it. Cornwall places which were the most chimney through which it issues forth to reach frying size. They are heavily feathered, and so stand the cold ies, as does also their length. Some- weather well, and lay better in win- micro-organisms to impure future milk gigantic monsters had wantonly de- times they extend over 1,000 feet. The ter than in summer, which suits us, as we do not care to sell eggs when a wall extending almost its whole they are down to 5 or 6 cents. When micro-organisms are so plentiful in a silence. The cottages were deserted, width, starting now from one side, they reach this price, we think it pays

Eggs from our best hens sell readily piling up. To look at them, one would fully plastered over around the edges. for setting, if we have more than we wish to set ourselves.

> and these are sure to bring good prices in the home market.

cally called mineral mispickel, or ar- lost. Thus, in prospecting for lost ar- folks are taking chickens to market, Later, when everybody and all his Cool quickly. prices take a leap downward, and as by crannies upward of ninety tons of the this time all except the very small should be washed and scalded at each Now it is a valuable product. The precious soot, and afterwards a fur- hicks can almost pick up a living milking. ther 300 tons were dug up from un- and as fowls, live or dressed, are in demand about Christmas and New The chambers are opened at irregu- Year's, and often between times, we keep our chickens growing on to be ready for the market at some of these

is taken out by the shovelful and heap- When setting hens, we set two at ed up in a shed. At one mine I saw one time, and when they hatch, put "There's enough arsenic there," said other hen seems doing well-if Do not put covers on the cans over my guide, "to poison a whole city." she seems bright and in good night but use a thin cloth. The bluish tint which I noticed pro- flesh-put more eggs under her, and arsenic, and was worth as it stood ty chicks; earlier it is not safe to al- night's milk until both are thoroughly low more than fifteen to the hen.

so as to eliminate the flue dust, etc. use in setting eggs to hatch in June, The refining is practically a repetition for June chicks will "sleep themselves uses over 1,000 tons a year. It is large- of the roasting. From the furnaces to death." This is often true, because, ly used in analine dyes. It enters in- a hot flue of brickwork, generally the weather being pleasant, chicks are about 100 feet long, leads to a series not cooped, but allowed to wade of zig-zag "kitchens" or chambers. In through rank grass and get wet with

> is practically pure arsenious anhydride deaths have invariably followed closely condenses from the fumes. The arsen- after a failure to keep them cooped where with an ordinary flour mill it | Another thing which causes many is ground into fine powder and dis- deaths among the warm-weathered

room wear "muzzles," and are other- raw. Bread made of corn meal is betwise protected against the dust. The ter. Bread made of a mixture of meal manufacture of arsenic is not attend- and wheat bran is best, and to this price is owing to the failure in some ed with danger, where ordinary pre- should be added a generous allowance cautions of cleanliness are observed by of table scraps; meat, fruit and vegeta-Arsenic is soot, white soot. Refined more than other men, should keep cool. or clabber can be spared for them, need

EARLY RIPENING OF FRUIT. It is not difficult to so manipulate a branch of a peach, pear or apple tree borne school of mines. "It is very sim- covered with the poisonous dust, from as to cause it not only to ripen its fruit ten days or more in advance of the ordinary season, but to greatly increase

Trees take in their food from the soil: is horizontal," he said, "represents the den dosed herself with an ounce of minerals dissolved in water, which kiln. This gas jet'-we were in the the soot, an overdose, which, as usual passes from cell to cell through the laboratory of the Camborne school of with poisons, was its own antidote. I center of the tree until the leaves are reached, where it is digested, so to ward represents the condensing cham- from Fortugal, where some arsenic speak, and is combined with carbon mining has recently been started by from the atmosphere and the assimilated food passes downward immeand held the tube over the flame of One can only wonder what use the diately under the bark, building up the wood cells and developing the fruit. Now if we check the downward flow of the sap by pressing the bark it throws the food back and the fruit appropriates it, causing an abnormal growth and Wife, at 7 a.m.-Now, deny your con- speedy maturity. This can be readily dition last evening! Here you are done by twisting a small wire tightly they escape from the great heat of with your hat and shoes on. Don't around the limb just below the fruit: the furnace. This is crude arsenic. tell me you didn't come home the worse It is better to remove all but the one specimen and great care must be exer-Husband-Not'r bit, m' dear. You cised not to get the wire so tight as to rupture the bark and thus destroy the branch. It only requires a slight compression to accomplish the work. After the fruit has matured the wire must be removed. Grape growers who practice 'ringing" understand this to perfection. Mrs. Swellington-Are you sure this They cut out a band of the bark about a quarter of an inch long just below the cluster to be affected. It then appropriates all the resources of the shoot and often more than doubles its size but the limb must becut at the next pruning, as the girdling kills it. It often happens that a young tree will not develop fruit buds, but such can be made COLIC, CHOLERA, CHOLERAto do so by suddenly checking its; growth when its wood buds are about half formed so as to cause them to de-

fruit sure for the next season. This should be done not later than the middle of July.

CLEANING THE STABLE.

Besides keeping the cow stable clean process the whole stable should be emptied and all remnants of fodder, manure and litter be carried away. The whole stable is then to be swept clean including corners, cracks and crevices in walls and floor, and all cobwebs be removed. The sweepings and litter should be buried beneath the manure heap or plowed under. If there is a mow for coarse fodders over the stable. with cracks or holes in the ceiling above the stalls, any remaining fodder in the mow should be removed and all swept clean. After cleaning the whitewashing, the stable becomes lighter and more cheerful, the woodwork is checked. If any contagious disease has appeared in the stable, then it should be thoroughly disinferted. Evil C. FIRTH.

CARE OF MILK.

Place the milk in cool water soon after milking is done.

The following is a compliation of directions given by some of the wes-We aim to have our early chicks tern cheese factories in connection with the care of milk.

Place cans in cold water immediately after milking. Place cans in cold water at once.

Practice cleanliness with a big C.

hot water, and air as much as possible. cimens when ready of which due no-Have cans washed and scalded thor- tice will be given. oughly and well aired.

Stir the milk at least two or three times while cooling. When the milk is cooling, cover the

Always leave covers off the milk until the animal heat has disappeared. Never mix morning's milk with

James Clark, who until three years ago, was a familiar figure around the Woodstock hotels, was found dead in bed at the House of Refuge Friday morning. The man was 80 years of age, and die t of heart disease.

Messrs. McKellar & Gilroy, of Alvinston, on Friday shipped 400 head of cattle, averaging in weight from 1,400 to 1,500 pounds, via Montreal, and consigned to the English markets. One steer weighed 2,165 pounds and \$105 was paid for him.

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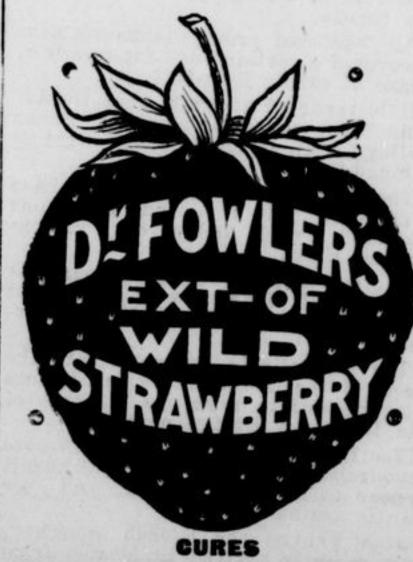
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